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Result
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Run
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Maximum DB
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Maximum Match
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                                                                                                                                                                                                                                                     Score
15.6
15.6
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15.6
                                                                                            16.8
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Gapop 10.0 , Gapext 1.0
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30
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 Listing
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                                                                                                                                                                                                                                                     Length
                                                                                                                                                                                                                                                                                                           n or equal to the score analysis of the total
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         2 US-60-427-808-503841

2 US-60-427-808-693316

PCT-US03-04088-588

PCT-US03-04088-530

2 US-60-427-836-550603

US-10-299-054A-7701

US-09-954-445A-16228

US-09-954-445A-16228

US-10-355-577-992959
                                                                                                                                                                PCT-US03-04088-544
PCT-US03-04088-548
PCT-US03-04088-552
PCT-US03-04088-556
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                                                                                                                  PCT-US03-04088-287
US-10-325-899-7470
                                                                                                                                          PCT-US03-04088-560
PCT-US03-04088-23
                                                                                                                                                                                                                                                                                      SUMMARIES
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                                                                                       Sequence 522, App
Sequence 544, App
Sequence 548, App
Sequence 552, App
Sequence 556, App
Sequence 556, App
Sequence 23, Appl
Sequence 23, Appl
Sequence 7470, App
Sequence 7470, App
Sequence 503841,
       Sequence 588, App
Sequence 530, App
Sequence 550603,
Sequence 7701, Ap
Sequence 16215, A
Sequence 16228, A
Sequence 992959,
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| 4 5 | 44 | 43 | 42 | 41 | 40 | 39 | 38 | 37 | 36 | S | 34 | 33 | 32 | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 |
| 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 15 | 15 | 15 | 15 | 15 | 15.2 | 15.2 | 15.2 | 15.4 | 15.4 | 15.4 | 15.6 |
| 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.7 | 50.7 | 50.7 | 51.3 | 51.3 | 51.3 | 52.0 |
| 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 31 | 25 | 25 | 25 | 20 | 25 | 25 | 25 | 25 | 25 | 47 | 25 | 25 | 25 | 25 | 25 | 25 |
| 12 | 12 | 12 | ø. | 9 | 9 | 7 | 7 | | 12 | 12 | 12 | 10 | 12 | 12 | 12 | 12 | 9 | 9 | 12 | 9 | 12 | 12 | 9 | 12 |
| US-60-427-836-316468 | US-60-427-808-764602 | US-60-427-808-239182 | US-10-355-577-870013 | US-10-355-577-850409 | US-10-355-577-29370 | US-09-954-445A-73491 | US-09-953-570-67312 | .US-09-890-648-6 | US-60-427-836-603511 | US-60-427-836-142384 | US-60-427-808-449334 | US-10-289-762-5017 | US-60-427-808-776553 | US-60-427-808-699317 | US-60-427-808-54954 | US-60-427-808-54953 | US-10-355-577-592670 | US-10-349-143-3806 | US-60-427-808-503840 | US-10-355-577-207601 | US-60-427-808-546626 | US-60-427-808-47221 | US-10-355-577-809390 | US-60-427-808-374528 |
| | Sequence 764602, | Sequence 239182, | Sequence 870013, | Sequence 850409, | Sequence 29370, A | Sequence 73491, A | Sequence 67312, A | Sequence 6, Appli | Sequence 603511, | Sequence 142384, | Sequence 449334, | Sequence 5017, Ap | Sequence 776553, | Sequence 699317, | Sequence 54954, A | Sequence 54953, A | Sequence 592670, | Sequence 3806, Ap | Sequence 503840, | Sequence 207601, | Seguence 546626, | Sequence 47221, A | Sequence 809390, | Sequence 374528, |

ALIGNMENTS

PCT-US03-04088-522/c; Sequence 522, Application PC/TUS0304088; GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

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APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLS OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR APPLICATION NUMBER: US 60/358,124
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/363,782
PRIOR APPLICATION NUMBER: US 60/366,782
PRIOR APPLICATION NUMBER: US 60/366,784
PRIOR FILING DATE: 2002-08-05
PRIOR FILING DATE: 2002-08-05
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/409,378
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense; OTHER INFORMATION: region PCT-US03-04088-522
                                                                                                                                                                                                                          SOPTWARE: PatentIn version 3.2
SEQ ID NO 522
LENGTH: 23
                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: US PRIOR FILING DATE: 2003-01-15
                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 626
                                                                                                                                              ORGANISM: Artificial
                                                                                                                FEATURE:
                                                                                                                                                                                        RNA
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Query Match

Local Similarity 100.0%; lacs 22; Conservative 0;

73.3%; Score 22; DB 100.0%; Pred. No. 8; ive 0; Mismatches

DB 1;

Length 23; Indels

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0;

Gaps

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; LOCATION: (20)...(21)
; OTHER INFORMATION: n stands for thymidine
PCT-US03-04088-540
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PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR PILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR PILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/409,293
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                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 544, Application PC/TUS0304088 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                 APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION UNMBER: PCT/U803/04088
CURRENT FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR PILING DATE: 2002-02-20
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PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SOFTWARE: Patentin version 3.2
SEQ ID NO 540
LENGTH: 21
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APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
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ORGANISM: Artificial
FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: Description of Artificial Sequence: sinA sense region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity 100.0%; I es 19; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 19
PLICATION NUMBER: US 60/363,124
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0;
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PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR PRILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/366,782
PRIOR PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR APPLICATION NUMBER: US 60/406,784
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PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR PRILING DATE: 2002-06-06
PRIOR PELING DATE: 2002-06-06
PRIOR PELING DATE: 2002-08-29
PRIOR PELICATION NUMBER: US 60/408,378
PRIOR PILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR APPLICATION NUMBER: US 60/409,293
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SEQ ID NO 544
LENGTH: 21
                                                                                      NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
SEQ ID NO 548
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 548, Application PC/TUS0304088
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: MCSwiggen, James
APPLICANT: Beigelman, Leonid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 63.3
Best Local Similarity 78.9
Matches 15; Conservative
                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
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PRIOR APPLICATION NUMBER: US 60/440,129
                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: US 60/440,129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: Expression Using Short Interfering RNA FILE REFERENCE: 02-708-A (400/080) CURRENT APPLICATION NUMBER: PCT/US03/04088 CURRENT FILING DATE: 2003-04-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: RNA Interference Mediated Inhibition of TITLE OF INVENTION: Expression Using Short Interfering RNA
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LOCATION: (20)..(21)
OTHER INFORMATION: n stands for thymidine
                                                 ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE.
OTHER INFORMATION: Description of Artificial Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Artificial
OTHER INFORMATION: Description of Artificial Sequence:
                         FEATURE
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78.9%;
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Pred. No. 1.7e+02;
4; Mismatches 0
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  siNA sense region
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 552, Application PC/TUS0304088 GENERAL INFORMATION:
                                                                                                                                                                                            SOPTWARE: PatentIn version 3.2
SEQ ID NO 552
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
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Best Local Similarity
                                                                                                                                                                                                                                                     PHIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR APPLICATION NUMBER: US 60/358,580
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: RNA Interference Mediated Inhibition of TITLE OF INVENTION: Expression Using Short Interfering RNA FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: US 60/363,124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: misc_feature
LOCATION: (21)..(21)
OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
                                                                                   OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: antisense region
                                                                                                                                                                          TYPE: RNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LOCATION: (7)...(8)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                   NAME/KEY: misc_feature
                                                                                                                                  FEATURE:
                                                                                                                                                    ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LOCATION: (20)..(21)
OTHER INFORMATION: n stands
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: misc_feature
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THER INFORMATION: 2'-deoxy-2'-fluoro
                                                                     FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: misc_feature
LOCATION: (20)..(21)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OCATION:
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LOCATION: (17)..(18)
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                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US 60/406,784 FILING DATE: 2002-08-29
                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US 60/408,378
                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US 60/386,782
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US 60/440,129
                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US 60/409,293 FILING DATE: 2002-09-09
                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 2002-09-05
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Beigelman, Leonid
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Pred. No. 1.7e+
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                                                                                                         Target sequence/siNA
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PCT-US03-04088-556/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2002-07-17
PRIOR PELLING DATE: 2002-07-17
PRIOR PELLING DATE: 2002-02-20
PRIOR PELLING DATE: 2002-02-21
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR PELLING DATE: 2002-03-11
PRIOR PELLING DATE: 2002-06-06
PRIOR PELLING DATE: 2002-66-06
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR APPLICATION NUMBER: US 60/406,784
                                                                                                                                                                                                SEQ ID NO 556
LENGTH: 21 .
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Best Local Similarity
Matches 15; Conserv
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PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR FILING DATE: 2002-09-05
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CURRENT FILING DATE: 2003-04-28
                                                                                                                                                                                                                                              SOFTWARE: PatentIn version 3.2
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                                    NAME/KEY: misc_feature
                                                                OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: region FEATURE:
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LOCATION: (20) ... (20)
OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage
                                                                                                                                  FEATURE:
                                                                                                                                                       ORGANISM: Artificial
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LOCATION: (9)..(11)
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LOCATION: (1)..(6)
OTHER INFORMATION: 2'-deoxy
                                                                                                                                                                              TYPE: RNA
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Beigelman, Leonid
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Pred. No. 1.7e+02;
4; Mismatches 0
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                                                                                                           Target sequence/siNA sense
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FEATURE:

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; NAMB/KEY: misc_feature
; LOCATION: (21)...(21)
; OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
PCT-US03-04088-556
                                                             CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR APPLICATION NUMBER: US 60/363,782
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US 60/408,378
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Best Local !
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APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of
TITLE OF INVENTION: Expression Using Short Interfering RNA
FILE REFERENCE: 02-708-A (400/080)
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LOCATION: (19)..(19)
OTHER INFORMATION: 2'-deoxy
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: n stands
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OTHER INFORMATION: 2'-deoxy
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LOCATION: (9).;(11)
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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LOCATION: (12)..(15)
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APPLICATION NUMBER: US 60/409,293 FILING DATE: 2002-09-09
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                                                   2002-09-05
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Pred. No. 1.7e+02
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Best Local S
Matches 15
                                                                                                            Sequence 23, Application PC/TUS0304088
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
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NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
SEQ ID NO 560
PRIOR APPLICATION NUMBER: US 60/396,600 PRIOR FILING DATE: 2002-07-17 PRIOR APPLICATION NUMBER: US 60/358,580
                                                                  CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: misc_feature
LOCATION: (20)...(20)
OTHER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage
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LOCATION: (1) __(1)
OTHER_INFORMATION: 2'-deoxy-2'-fluoro
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OTHER INFORMATION: 2'-deoxy
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
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TYPE: RNA
ORGANISM: Artificial
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LOCATION: (12)..(13)
OTHER_INFORMATION: 2'-deoxy
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LOCATION: (4)..(4)
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15; Conservative
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Pred. No. 1.7e+02;
4; Mismatches 0
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                                                                                                                                                                                       SOFTWARE: PatentIn version 3.2
SEQ ID NO 287
LENGTH: 19
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Best Local (
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  Best Local Similarity
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PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: US 60/406,784 PRIOR FILING DATE: 2002-08-29
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CURRENT FILING DATE: 2003-04-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: RNA Interference Mediated Inhibition of TITLE OF INVENTION: Expression Using Short Interfering RNA FILE REFERENCE: 02-708-A (400/080)
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PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-08-29
                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: US 60/386,782 PRIOR FILING DATE: 2002-06-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: US 60/358,580 PRIOR FILING DATE: 2002-02-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: US 60/396,600 PRIOR FILING DATE: 2002-07-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR FILING DATE: 2002-09-05
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: RNA
ORGANISM: Artificial
                                                                                OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: region
                                                                                                                            ORGANISM: Artificial FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense
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                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 60/408,378 FILING DATE: 2002-09-05 APPLICATION NUMBER: US 60/409,293 FILING DATE: 2002-09-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US 60/409,293 FILING DATE: 2002-09-09
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Beigelman, Leonid
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83.3%;
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Pred. No. 4.6e+02;
Pred. No.
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DB 1;
4.6e+02;
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; TYPE: DNA
; ORGANISM: Human adenovirus type 2
US-10-325-899-7470
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US-60-427-808-503841
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                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listin SEQ ID NO 503841
LENGTH: 25
                                                                                                                                                                                                                                                                                                                    Sequence 503841, Application US/60427808 GENERAL INFORMATION:
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                                                                Matches
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Best Local (
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TITLE OF INVENTION: Methods of Genetic Analysis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/10/325,899
CURRENT FILING DATE: 2002-12-20
PRIOR APPLICATION NUMBER: US 60/296,764
PRIOR FILING DATE: 2001-06-08
PRIOR FILING DATE: 2001-06-08
PRIOR APPLICATION NUMBER: US 10/006,290
PRIOR FILING DATE: 2001-10-22
PRIOR APPLICATION NUMBER: US 10/131,831
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR FILING DATE: 2002-04: NUMBER OF SEQ ID NOS: 9966
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND MONITORING TRANSPLANTITLE OF INVENTION: REJECTION FILE REFERENCE: 506612000122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Wohlgemuth, Jay APPLICANT: Fry, Kirk
                                                                                                                                          ORGANISM: Mus musculus
                                                                                                                                                            TYPE: DNA
                                                                           Local
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                       2 TGACAGAGCCCAACTCTTCG
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                                                                             Similarity
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 TGACAGAGCCCAAGTCCTCG
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Woodward, Robert
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                                                                             90.0%;
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                                                                             Score 16.8;
Pred. No. 1
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Pred. No.
25
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                                                                                            Length
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WESULT 12
US-60-427-808-699316
; Sequence 699316, Application US/60427808
; GENERAL INFORMATION:

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CURRENT APPLICATION NUMBER: PCT/US03/04088

CURRENT PILING DATE: 2003-04-28

PRIOR APPLICATION NUMBER: US 60/396,600

PRIOR FILING DATE: 2002-07-17

PRIOR PELLING DATE: 2002-07-17

PRIOR PELLING DATE: 2002-03-11

PRIOR PELLING DATE: 2002-03-11

PRIOR PELLING DATE: 2002-03-11

PRIOR PELLING DATE: 2002-06-06

PRIOR PELLING DATE: 2002-06-06

PRIOR PELLING DATE: 2002-06-06

PRIOR PELLING DATE: 2002-08-29

PRIOR PELLING DATE: 2002-09-05

PRIOR PELLING DATE: 2002-09-05

PRIOR PELLING DATE: 2002-09-05

PRIOR APPLICATION NUMBER: US 60/409,293

PRIOR APPLICATION NUMBER: US 60/409,293

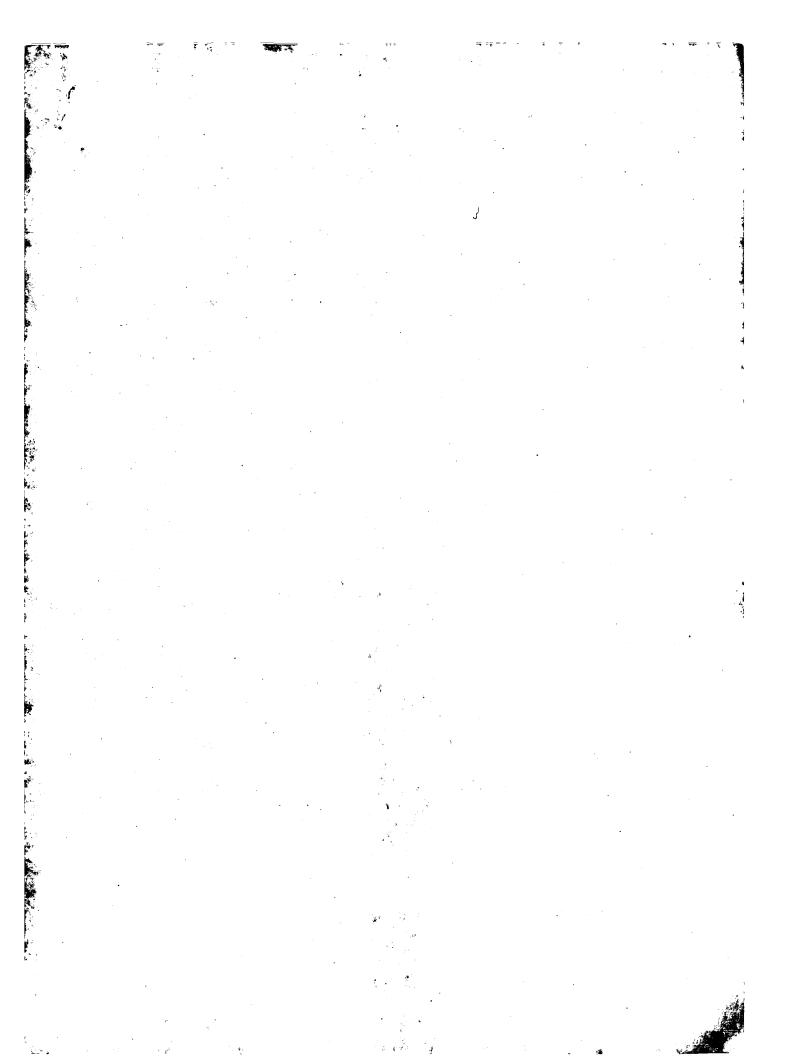
PRIOR PELLING DATE: 2003-01-15

NUMBER: OF SEQ ID NOS: 626

SOFTWARE: PALENTIN PARENTE SEG 10 NOS: 626

LENGTH: 21
RESULT 14
PCT-US03-04088-530/c
; Sequence 530, Application PC/TUS0304088
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US-60-427-808-699316
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PCT-US03-04088-588
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TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528
CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 69316
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Best Local Similarity 82.6%;
Matches 19; Conservative
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APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Artificial FEATURE:
                                                                                                                                                                                                                             Local
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1 Similarity 100.0%;
16; Conservative 0;
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0; Mismatches
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Pred. No. 2e+03;
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5. 3.6e+03;
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       Search completed: June 26, 2003, 04:15:14 Job time : 719.961 secs
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US-60-427-836-550603/c
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PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR PRILING DATE: 2002-07-20
PRIOR PRILING DATE: 2002-03-11
PRIOR PRILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: US 60/406,784
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR PILING DATE: 2002-08-29
PRIOR PILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/409,378
PRIOR PILING DATE: 2002-09-09
                                                                                                                                                                                                                                                                        APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527
CURRENT APPLICATION NUMBER: US/60/427,836
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 550603
LENGTH: 25
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SEQ ID NO 530
LENGTH: 23
TYPE: RNA
ORGANISM: Artificial
FEATURE:
                                                                                                 Matches
                                                                                                                        Query Match
Best Local
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
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PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
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16; Conservative
                                             2 TGACAGAGCCCAACTCTTCGCGGT 25
                                                                                                                           Similarity
TGCCAGAGACAAACACTCCGCGGT
                                                                                                 Conservative
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; Pred. No. 3.6e+0
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                                                                                                                     Score 16;
Pred. No.
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REFERENCE AUTHORS DEFINITION ACCESSION VERSION KEYWORDS RESULT 1 AR063828 LOCUS Result No. TITLE JOURNAL FEATURES SOURCE a Ω a ი 000 a ORGANISM score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. Score Sequence 4 AR063828 AR063828.1 1 (bases 1 to 12)

Kim,N. Woo., Wu,F., Kealey,J.T., Pruzan,R. and Weinrich,S.L.

Methods for detecting the RNA component of telomerase

Patent: US 5846723-A 4 08-DEC-1998;

Location/Qualifiers Unknown. Unclassified. Unknown. AR063828 Query Match 100 Length from GI:5993136 patent US BB E40060 E40064 E40868 E40872 A35610 AR192969 AR073744 AX073745 AR101699 AR187031 AR187033 AR187033 AR187033 AR187034 AX263508 AR067594 AR126656 AR160506 AX037348 AX128976 AX128977 AX128978 AX128979 AX128980 BOVINE30 A84597 AR079898 I21035 AR063828 A84604 AR063826 AX148960 AX037349 AX012429 121062 ALIGNMENTS SUMMARIES 12 bp 5846723. DNA linear AR192969 Sequence
AX073745 Sequence
AX073745 Sequence
AR101699 Sequence
AR187031 Sequence
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AR187033 Sequence
AR187033 Sequence
AR187034 Sequence
AX263509 Sequence
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AX012429 Sequence
BD0011538 Method an
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AR063827 Sequence
AR079894 Sequence
AR063826 Sequence
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Minimum DB Maximum DB

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Scoring table:

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PAT 31-AUG-2000

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Vasserot, A.P.,

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1 (bases 1 to 20)
1 (bases 1 to 20)
Kim,N.Woo., Wu,F., Kealey,J.T., Pruzan,R. and Weinrich,S.L.
Methods for detecting the RNA component of telomerase
Patent: US 5846723-A 3 08-DEC-1998;
Location/Qualifiers
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1 (bases 1 to 20)
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Atkinson,E.M. and Kealey,J.T.
PURIFIED TELOMERASE
Patent: WO 9845450-A 14 15-OCT-1998;
GERON CORP (US)
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1 (bases 1 to 20)

Weinrich, S.L., Atkinson, E.M. III, Lichtsteiner, S.P.,
Pruzan, R.A. and Kealey, J.T.

Purified telomerase
L patent: US 5968506-A 7 19-OCT-1999;
Location/Qualifiers

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1 (Dases 1 to 30)
1 (Dases 1, F., Kealey, J.T., Pruzan, R. and Weinrich, S.L.
Kim, N.Woo., Wu, F., Kealey, J.T., Pruzan, R. and Weinrich, S.L.
Methods for detecting the RNA component of telomerase
Methods for detecting the RNA component of telomerase
Patent: US 5846723-A 2 08-DEC-1998;
Location/Qualifiers
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unidentified.
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1 (bases 1 to 20)
Atkinson, E.M. and Kes
PURIFIED TELOMERASE
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                   Kealey, J.T.
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Leonard, W.J., Noguchi, M. and McBride, O.Wesley.
Methods for diagnosis of XSCID and kits thereo
Patent: US 5518880-A 6 21-MAY-1996;
Location/Qualifiers
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Amersham Pharmacia Biotech UK Limited (GB)
Location/Qualifiers
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Leonard, W.J., Noguchi, M. and McBride, O. Wesley.
Methods for diagnosis of XSCID and kits thereof
Patent: US 5518880-A 33 21-MAY-1996;
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1 (bases 1 to 15)

Camble, R. and Edge, M.D.

Analogous interferon polypoptides, process for their preparation and pharmaceutical compositions containing them Patent: EP 0194006-A 55 10-58P-1986;

IMPERIAL CHEMICAL INDUSTRIES PLC

LOCALE ON QUALIFIER PLC
   Unknown.
Unclassified.
1 (bases 1 to 15)
1 (bases 1 to 15)
1 (bases 1 to 15)
Network, McSwigen, J., Stinchcomb, D. and Escobedo, J.
Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6346398-A 8457 12-FEB-2002;
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AR192969
AR192969.1 GI:20238934
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Location/Qualifiers
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Vary, C.P.H.
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Sequence 5 from Patent WO0104290.
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Triplex-forming oligonucleotides and their use
Patent: WO 0104290-A 5 18-JAN-2001;
Shanghai Institute of Biochemistry Chinese Acad
Location/Qualifiers
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Triplex-forming oligonucleotides and their use in therapy Patent: WO 0104290-A 4 18-JAN-2001;
Shanghai Institute of Biochemistry Chinese Academy of Sciuncation/Qualifiers
                                                                                                                                                                                                                                                                                            AX073745.1 GI:12710157
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           83.3%; Score 10; DB 6; Length 16; Larity 100.0%; Pred. No. 1.3e+05; Conservative 0; Mismatches 0; Indels
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                                                                             /db_xref="taxon:32630"
/note="Single stranded TFO1"
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REFERENCE AUTHORS TITLE

KEYWORDS SOURCE

ORGANISM

ACCESSION /ERSION

RESULT 12 A35610

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REFERENCE AUTHORS TITLE

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Gaps

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Sciences

RESULT 13 AR192969 LOCUS

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PAT 06-FEB-2001

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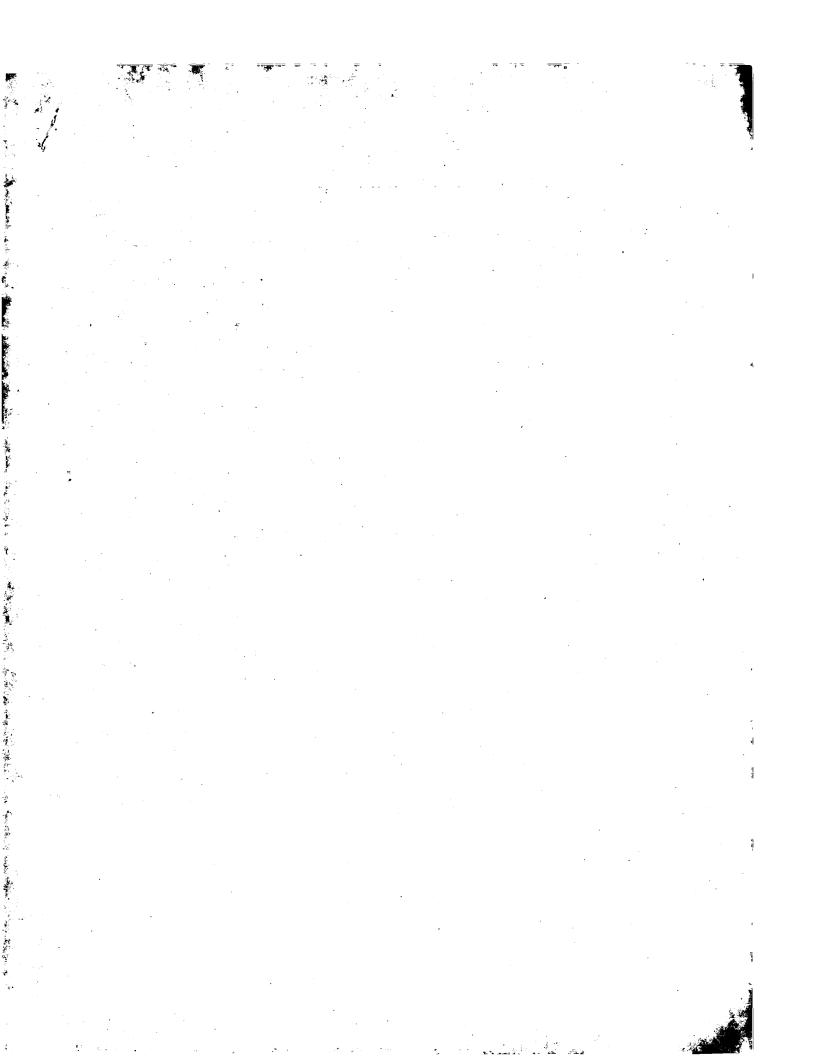
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FEATURES

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Search completed: June 23, 2003, 06:34:13 Job time: 141.015 secs



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Run
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Perfect score:
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1: /SIDS2/gcgdata/geneseq/geneseqn-emb1/NA1980.DAT:*

2: /SIDS2/gcgdata/geneseq/geneseqn-emb1/NA1981.DAT:*

3: /SIDS2/gcgdata/geneseq/geneseqn-emb1/NA1982.DAT:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| | 9 | œ | 7 | 6 | ហ | 4. | ω | N | _ | Result No. |
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| | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | Score |
| | 91.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | Query Match |
| | 20 | 30 | 20 | 20 | 20 | 20 | 20 | 20 | 12 | Query Match Length DB |
| | 15 | 19 | 22 | 22 | 20 | 20 | 19 | 19 | 19 | |
| | AAQ71941 | AAV41169 | AAS09480 | AAS09477 | AAZ23636 | AAZ23632 | AAV41170 | AAV71226 | AAV41171 | IJ |
| • | Human IL-2R gamma | RNA component of h | Antisense oligonuc | Antisense oligonuc | Human clone 28-1 t | Human clone 28-1 t | RNA component of h | Antisense oligonuc | RNA component of h | Description |

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| ABN88411 AAA82608 AAA82609 AAA82610 AAA82611 AAA82611 AAA82612 AAH57770 AAH57777 | ABA78054 ABA78054 AAQ52877 AAZ30195 | AAV20569 AAV20570 AAX80263 | AAX69769 AAX69770 AAX69771 AAX69772 | ABI17903 ABI45722 AAQ26598 AAX75707 AAF25892 AAF25893 | AAQ71914 AAA07908 AAA11686 AAA11686 AAC89497 AAH62356 ABL43752 AAC23809 AAT70788 AAT70788 |
| 8411 2608 2609 2610 2611 2611 2612 77770 77771 | 8054 8054 2877 0195 | 0569 | 9769 9770 9771 | 7903 6722 6598 6707 6892 | 1914 7908 1686 9497 2356 2356 2358 23752 0788 |
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| Site cdk2 cdk2 cdk2 cdk2 cdk2 cell Cell Cell | BRCA Cyto | B H H H H | E | ### # P O O | St of |
| | pa 1 | | | Oligonucleotide Oligonucleotide Predicted HPV-11 Human flt-1 and Human c-sis/PDGI | Human IL-2R Human GABA Human GABA RBBP2 polym Human chrom Human chrom Mouse Kv6.2 Stenotic ca Stenotic ca |
| gated inc ribozyme ribozyme ribozyme ribozyme ribozyme ribozyme rcycle dep -cycle dep | I mutation I mutation megalovirus primer Mk17 | BRCA1 BRCA1 BRCA1 | f1t1 f1t1 f1t1 | nucleo nucleo cted H flt-1 c-sis | IL-2R gam 2-53/2 spec GABA-B re GABA-B re polymorph chromosom Kv6.2 Dth ic caroti |
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ALIGNMENTS

RESULT 1
AAV41171
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C neuroblastoma; contraception; immune system d RNA component; human telomerase; antisense oligonucleotide; infection; neuroblastoma; bladder cancer; colon cancer; prostate cancer; cancer; contraception; sterilisation; immunosuppression; therapeutic; hTR; immune system down-regulation; anti-inflammatory therapy; ss. WPI; 1998-377670/32. 20-DEC-1996; 20-DEC-1996; AAV41171 standard; DNA; 12 BP Kealey JT, 19-DEC-1997; 02-JUL-1998. WO9828442-A1 Synthetic. RNA component of human telomerase (hTR) antisense oligo 14d 08-OCT-1998 (first entry) AAV41171; (GERO-) GERON CORP. Homo sapiens. Kim NW, 96US-0770565. 96US-0770564. 97WO-US23619 Pruzan R, Weinrich ςL, Wu F;

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Sequences shown in ANV41169 to ANV41181 represent antisense CC oligonuclectides to the RNA component of human telomerase (htm). These CC antisense oligonuclectides specifically hybridise to a nucleotide sequence within an accessible region of the hTR, but that does not hybridise to a sequence within the template region of hTR. These CC component of human telomerase in a sample. This is useful for diagnosing CC cancer (especially neuroblastenca, bladder, colon and prostate cancer), and providing prognosis for a cancer patient. The inhibitory oligonucleotides can inhibit the telomerase activity level in a cell by interfering with transcription of the RNA component decreasing the CC oligonucleotides can inhibit the telomerase activity level in a cell by interfering with transcription of the RNA component transcript, inhibiting assembly of the RNA component into the telomerase holoenzyme, or inhibiting the bused for inhibiting telomerase activity in both cultured cells and in used for inhibiting telomerase activity in both cultured cells and in CC cells in vivo. They can be used in therapeutics for treating or preventing cancer, for contraception or sterilisation, for immune system, e.g. a specific subset of T-cells, in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local S
Matches 12
Atkinson EM,
Vasserot AP,
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                                                                                                                                                                                                                                                                                                                          Human; telomera assay; vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                    15-FEB-1999
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                                                                                                       04-APR-1997;
                                                                                                                                                                                                                                                                                              Synthetic
                                                                                                                                                                                                                                                                                                                                                                       Antisense oligonucleotide 14ab for human telomerase RNA component.
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                                                                            04-APR-1997;
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                                                                                                                                                                     WO9845450-A1
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                                              (GERO-) GERON
                                                                                                                                                                                                                                                                                                                        telomerase RNA component; anticancer therapy; purification; vaccine; cancer; antisense oligonucleotide; ss.
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                                              CORP.
 Kealey JT,
Weinrich SL;
                                                                            97WO-US06012
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/note= "biotinylated"
                                                                                                                                                                                                                                                Location/Qualifiers
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Matches 12
               Claim 11; Page 65; 80pp; English
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The present sequence represents an antisense oligonucleotide directed against the human telomerase RNA component gene sequences. The oligonucleotide can be used as an affinity agent in the methods of the invention, which are used to purify human telomerase. The methods involve the use of several sequential steps, including the use of two matrixes that bind molecules bearing negative charges, a matrix that binds molecules bearing positive charges, an affinity purification step and a size separation. Telomerase is a particular target of anticancer therapies, and is useful in assays for characterizing (pre) cancerous cells. Telomerase can also be used to screen for specific modulators, for blochemical analysis of its activity, and in preparation of antibodies. Fragments of telomerase, or nucleic acid encoding them, are used in vaccines, and for treating over expression of telomerase,
New polynucleotide(s) anti:sense to human telomerase - used detecting or inhibiting human telomerase, e.g. for treating contraception, immuno-suppression or treating infection
                                                                                                                                                                                                                                                                      20-DEC-1996;
20-DEC-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RNA component; human telomerase; antisense oligonucleotide; infection; neuroblastoma; bladder cancer; colon cancer; prosetate cancer; cancer; contraception; sterilisation; immunosuppression; therapeutic; hTR; immune system down-regulation; anti-inflammatory therapy; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RNA component of human telomerase (hTR) antisense oligo 14ab.
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                                                                                                                                                                                                                   (GERO-) GERON CORP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 CGTTCCTCTTCC 12
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1 CGTTCCTCTTCC 12
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                                                                                                                                                              Kim NW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%;
ilarity 100.0%;
Conservative 0
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                                                                                                                                                                                                                                                                   96US-0770565.
96US-0770564.
                                                                                                                                                                                                                                                                                                                                                    97WO-US23619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DNA;
                                                                                                                                                              Pruzan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20
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                                                                                                                                                              ₽,
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                 Weinrich
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 19;
1.4e+03;
                                                                                                                                                              SL,
                                                                                                                                                                 ž
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20;
                          cancers,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0
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RESULT 4
AAZ23632
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Coligonucleotides to the RNA component of human telomerase (hTR). These
cantisense oligonucleotides specifically hybridise to a nucleotide
component of the ATR, but that does not
component of human telomerase in a sample. This is useful for diagnosing
component of human telomerase in a sample. This is useful for diagnosing
component of human telomerase in a sample. This is useful for diagnosing
component of human telomerase in a sample. This is useful for diagnosing
component of human telomerase in a sample. This is useful for diagnosing
component of human telomerase in a sample. This is useful for diagnosing
component of human telomerase in a sample. This is useful for diagnosing
component of human telomerase in a sample. This is useful for diagnosing
conformed the sample of the inhibitory
component of human telomerase activity level in a cell by
interfering with transcription of the RNA component, decreasing the
conformed the telomerase RNA component transcript, inhibiting assembly
conformed the telomerase and transcript, inhibiting the
conformed the telomerase activity in both cultured cells and in
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Best Local S
Matches 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                associated
                                                                                           Compositions
                                                                                                                                                     WPI; 1999-590379/50
                                                                                                                                                                                                                                                                                                                                                        04-AUG-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                  04-APR-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  disease; primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Telomerase;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 parasites or fungi.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            anti-inflammatory therapies or
                                                                                                                                                                                                                                                                                                    (GERO-) GERON
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12; Conserv
                                                                                                                                                                                                            ΑP;
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                                                                with
      Column
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              human; immune response; cancer; vaccine; treatment;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     28-1 telomerase oligonucleotide 14ab.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       BP; 0 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                             comprising human telomerase, useful ith overexpression of telomerase e.g.
                                                                                                                                                                                                                                       Lichtsteiner
                                                                                                                                                                                                                                                                                                    CORP.
                                                                                                                                                                                                                                                                                                                                                           95US-0510736
                                                                                                                                                                                                                                                                                                                                                                                                                     97US-0833377
                                                         overexpression
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     88
      45-46;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12
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34pp;
                                                                                                                                                                                                                                       SP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0;
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Pred. No. 1.4e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    7 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            for treating infections by, e.g. yeast,
   English
                                                                                                                                                                                                                                    Weinrich
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0 other;
                                                                                                                                                                                                                                 SL,
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                                                                                                                                                                                                                                       Pruzan
                                                         ġ
                                                         for treating . cancer -
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                                                                                                                                                                                                                                    Kealey
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                                                                                        diseases
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This invention describes a novel composition comprising human telomerase having at least 2000-fold (preferably at least 60000-fold) increased relative purity compared with crude extract of cells from adenovirus-transformed kidney cell line. The composition is useful for

Best Loc Matches Query Match Best Local &

12;

Conservative

0

Score 12; DB Pred. No. 1.4 0; Mismatches

.4e+03;

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Indels

<u>,,</u>

Gaps

0

DB 20;

Length

Similarity

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RESULT 5
AAZ23636
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Best Local
                      This invention describes a novel composition comprising human telomerase having at least 2000-fold (preferably at least 60000-fold) increased relative purity compared with crude extract of cells from adenovirus-transformed kidney cell line. The composition is useful for eliciting an immune response in animals and may therefore be used as a vaccine for treating diseases associated with the overexpression of telomerase e.g. cancer. AAZ33626-Z3637 represent oligonucleotides used in the isolation of human clone 28-1 which contains a fragment of the human telomerase described in the method of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         eliciting an immune response in animals and may therefore be used vaccine for treating diseases associated with the overexpression of telomerase e.g. cancer. AAR23662-R23637 represent oligonucleotides in the isolation of human clone 28-1 which contains a fragment of human telomerase described in the method of the invention.
Sequence 20
                                                                                                                                                                                                                                                         Atkinson EM,
Vasserot AP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Key
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 20 BP; 0
                                                                                                                                                            Disclosure; Column 49-50; 34pp; English.
                                                                                                                                                                                       associated with
                                                                                                                                                                                                     Compositions comprising human telomerase, useful
                                                                                                                                                                                                                               WPI; 1999-590379/50
                                                                                                                                                                                                                                                                                                                            04-AUG-1995;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               disease; primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Telomerase; human; immune response; cancer; vaccine; treatment;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human clone 28-1 telomerase oligonucleotide oligo 14ab
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                                                                                                                                                                                                                                                                                                  (GERO-) GERON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       domo sapiens.
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BP; 0 A; 9 C; 4 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                   CORP.
                                                                                                                                                                                                                                                                       Lichtsteiner
                                                                                                                                                                                                                                                                                                                            95US-0510736
                                                                                                                                                                                                                                                                                                                                                      97US-0833377.
                                                                                                                                                                                       overexpression of telomerase e.g. cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                 /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                      /note= "5'-biotinylated cytidine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A; 9 C; 4 G; 7 T; 0 other;
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Pred. No.
                                                                                                                                                                                                                                                                       Weinrich
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                                                                                                                                                                                                                                                                       SL,
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                                                                                                                                                                                                   for treating
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                                                                                                                                                                                                                                                                       Kealey
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                                                                                                                                                                                                     diseases
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       des used
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RESULT 6
AAS09477
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                                                                                        Query Match
Best Local S
Matches 12
                                                                                                                    The sequence represents an antisense oligonucleotide used in
the purification of human telomerase. The invention relates
to a purified human telomerase are invention relates
to a purified human telomerase core enzyme protein comprising
2000-fold increased purity compared with a crude extract of cells from
adenovirus-transformed kidney cell line (293 cells) and when associated
with telomerase RNA component has DNA polymerase activity and a molecular
weight of 200-2000 kilo Daltons (kDa). The purified telomerase is useful
for inducing a humoral or cell-mediated immune response in an animal.
Purified telomerase or immunogenic fragments are useful as vaccines for
treating diseases associated with over-expression of telomerase, such as
cancer and for producing antibodies that recognize telomerase, such as
cancer and for producing antibodies that recognize telomerase, which are
useful as affinity agents in isolating the proteins and for detecting the
presence of proteins in a sample, such as cell or tissue. Identification
of telomerase and/or telomerase associated proteins that alter the association of
telomerase-associated proteins, such as nucleolin or EP2H with
                                                                                                                                                                                                                                                                                                                                               Purified human telomerase, useful for inducing immune response in animals, comprises several thousand folds increased purity compared with cytoplasmic crude cell preparations -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAS09477;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         04-APR-1997;
04-AUG-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                nucleolin; antisense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           24-OCT-2001
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                                                                                       Sequence 20 BP; 0 A; 9 C; 4 G;
                                                                                                                                                                                                                                                                                                                            Disclosure; Column 2; 29pp; English.
                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2001-450477/48.
                                                                                                                                                                                                                                                                                                                                                                                                                              Weinrich SL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            18-OCT-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17-JUL-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US6261556-B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Antisense oligonucleotide for human telomerase, Oligo 14ab
                                                                                                                                                                                                                                                                                                                                                                                                                    Kealey
                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GERO-) GERON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Telomerase; vaccine; antibody; cancer; EF2H;
lin; antisense oligonucleotide; Oligo 14ab; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               μ.
                                            l Similarity
12; Conserv
             CGTTCCTCTTCC 12
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 riccicirco 12
                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                Atkinson
                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORP.
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95US-0510736.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9908-0420056
                                            100.0%; Score 12; DB 22;
100.0%; Pred. No. 1.4e+03;
tive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ВP
                                                                                                                                                                                                                                                                                                                                                                                                                              Lichtsteiner SP, Vasserot AP,
                                                                                       7 T; 0 other;
                                                       1.4e+03;
                                            0
                                                                Length 20;
                                            Indels
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                    Ś
                                            Best Local
Matches
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                                                                                      Sequence 20 BP; 0 A; 9 C; 4 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                             Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                              Weinrich SL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         04-APR-1997;
04-AUG-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          18-OCT-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAS09480;
                                                                                                               telomerase.
                                                                                                                                                                                                                                                                                                                                                                                                                   Kealey JT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17-JUL-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GERO-) GERON
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                                           l Similarity
12; Conser
                    CGTTCCTCTTCC 12
                                         100.0%;
llarity 100.0%;
Conservative 0;
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The sequence represents a biotinylated antisense oligonucleotide
C used in the purification of human telomerase. The invention
C relates to a purified human telomerase or the invention
C relates to a purified human telomerase or the invention
C 2000-fold increased purity compared with a crude extract of cells from
C adenovirus-transformed kidney cell line (293 cells) and when associated
C with telomerase RNA component has DNA polymerase activity and a molecular
C weight of 200-2000 kilo baltons (kba). The purified telomerase is useful
C for inducing a humoral or cell-mediated immune response in an animal.
C purified telomerase or immunogenic fragments are useful as vaccines for
C treating diseases associated with over-expression of telomerase, such as
C cancer and for producing antibodies that recognize telomerase, which are
C useful as affinity agents in isolating the proteins and for detecting the
C presence of proteins in a sample, such as cell or tissue. Identification
C of telomerase and/or telomerase associated proteins are also useful for
C screening compounds to identify agents that alter the association of
C telomerase-associated proteins, such as nucleolin or EF2H with
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Purified human telomerase, useful for inducing immune response in animals, comprises several thousand folds increased purity compared with cytoplasmic crude cell preparations -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2001-450477/48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; Telomerase; vaccine; antibody; cancer; EF2H; nucleolin; antisense oligonucleotide; Oligo 14ab; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Antisense oligonucleotide for human telomerase, Oligo 14ab #2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAS09480 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Column 18; 29pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Atkinson EM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 97US-0833377.
95US-0510736.
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/note= "C is biotinylated"
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Score 12; Pred. No. Mismatches

1.4e+03; DB 22;

Length 20; Indels

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Gaps

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RESULT 8
AAV41169
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                                                                                                                                coligonucleotides to the RNA component of human telomerase (hTR). These can missense oligonucleotides specifically hybridise to a nucleotide: sequence within an accessible region of the hTR, but that does not hybridise to a sequence within the template region of hTR. These coligonucleotides may specifically be used for detection of an RNA component of human telomerase in a sample. This is useful for diagnosing cancer (especially neuroblastoma, bladder, colon and prostate cancer), and providing prognosis for a cancer patient. The inhibitory cancer providing prognosis for a cancer patient. The inhibitory oligonucleotides can inhibit the telomerase activity level in a cell by interfering with transcription of the RNA component, decreasing the half-life of the telomerase RNA component transcript, inhibiting assembly collegated for inhibiting the telomerase holoenzyme, or inhibiting the colymerase activity of telomerase. These antisense oilgonucleotides can be used for inhibiting telomerase activity in both cultured cells and in cells in vivo. They can be used in therapeutics for treating or preventing cancer. For contracer for correct or sterilisation.
                                                                 Matches
                                                                               Query Match
Best Local
                                                                                                                                                                             preventing cancer, for contraception or sterilisation, for immunosuppression, and for selectively down-regulating specific branches of the immune system, e.g. a specific subset of T-cells, in anti-inflammatory therapies or for treating infections by, e.g. yeast,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New polynucleotide(s) anti:sense to human telomerase - used for detecting or inhibiting human telomerase, e.g. for treating cancers, contraception, immuno-suppression or treating infection
                                                                                                                                Sequence
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20-DEC-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequences shown in AAV41169 to AAV41181 represent antisense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim
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                                                                               Similarity
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                               CGTTCCTCTTCC 12
CCTTCCTCTTCC
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                                                                                                                              BP; 4 A;
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                                                                Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; human telomerase; antisense oligonucleotide; infection; bladder cancer; colon cancer; prostate cancer; cancer; sterilisation; immunosuppression; therapeutic; hTR; down-regulation; anti-inflammatory therapy; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        of human telomerase (hTR) antisense oligo
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96US-0770564.
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                                                                               100.0%;
                                                                                             100.0%; Score 12;
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                                                                                                                              G; 8 T; 0 other;
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Matches 11
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                                                                                                                                                                                                                                                                                                                                                                                             Diagnosis of X-linked severe combined immunodeficiency (XSCID) comprises detecting mutated IL-2R gamma gene, also vectors and transgenic animals containing the mutated gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo
II2-R gamma gene; X-linked severe combined immunodeficiency;
XSCID; interleukin; ss.
                                Human IL-2R gamma gene intron 2 antisense primer.
                                                        03-MAY-1995
                                                                             AAQ71914;
                                                                                                                                                                                                                                                 Sequence 20 BP; 2 A; 9 C; 1 G; 8 T; 0 other;
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                                                                                                   AAQ71914
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14-SEP-1993;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         XSCID;
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93US-0121435.
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                                                                                                  DNA;
                                                       entry)
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                                                                                                                                                                                                    Score 11; DB; Pred. No. 4.6
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4.6e+03;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Diagnosis of X-linked severe combined immunodeficiency (XSCID) comprises detecting mutated IL-2R gamma gene, also vectors and transgenic animals containing the mutated gene
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14-SEP-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        UNC-53; Caenorhabditis elegans; microtubule; neural regeneration; anticancer; anti-neurodegeneration; antifibrotic; anti-adhesive; human; antisclerotic; antimetastatic; anti-arthritic; autoimmune disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 1994-303046/37
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   Luyten WHML,
Maerten LJS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 20 BP; 8 A; 1 C; 9 G; 2 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAA07908 standard;
                                                                                                                                                          03-JUN-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RT-PCR; primer; 88.
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                                                                                               (JANC ) JANSSEN PHARM NV
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DEPT HEALTH & HUMAN SERVICES
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De Raeymaeker MC,
Verhasselt P, Van
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93US-0121435
                                                                                                                                                          98GB-0011962.
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                                                                                                                                                                                                                    99WO-EP03848
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DNA;
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; Pred. No. 4.6e+03;
0; Mismatches 0;
   Geysen JJGH,
De Craen М;
                                  Bogaert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 20;
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                                     TAOE;
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                                                                                                                                                                                                                                                                                                                                        14-SEP-1998;
04-DEC-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  23-MAR-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                    11-SEP-1999;
                                                                                                                                                                                                                       Kornau
                                                                                                                                                                                                                                                                                 (BADI ) BASF-LYNX BIOSCIENCE AG
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The invention provides vertebrate (human) protein homologue of a UNC-53 CC protein of Caenorhabditis elegane. The UNC-53 binds to microtubules or their plus ends. The UNC-53 sequences are used to promote neural CC regeneration, revascularization and wound healing; also for treating CC neurodegenerative disease, acute traumatic injury, fibrotic disease and cautoimmune diseases (e.g. rheumatoid arthritis and sclerosis). The UNC-53 polymucleotides can be used for recombinant production of the CC proteins, as a source of probes for detecting allelic variants and CC expression; and as source of therapeutic antisense sequences. Cells that CC express the protein are used to identify regulators of cell shape, CC growth, motility and migration. They can also be used to identify compounds that alter attachment of UNC-53 to CC expression. At target gene coupled to a UNC-53 encoding sequence may be used to deliver the target gene co a cellular microtubule or its plus cands. Sequences AAAO7902-7911 represent primers specific for Hs-UNC-53/2 used in RT-PCR studies of Hs-UNC-53/2 expression.
  Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; Fig 6b; 146pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2000-116370/10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               proteins and nucleic acids e.g. for treating neurodegeneration
  20
BP; 3 A; 9 C; 2 G; 6 T; 0 other;
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Query Match
Best Local
                            11;
œ
             N
                                    Similarity
GTTCCTCTTCC 18
        GTTCCTCTTCC
                            Conservative
                                   91.7%;
                           Score 11; DB ;; Pred. No. 4.6 0; Mismatches
                          DB 21;
o. 4.6e+03;
0;
                                         Length 20
                             Indels
                            0;
                             Gaps
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GABA receptor; GABA-B receptor; neuroprotective; metabotropic receptor; human disease marker; gene therapy; central nervous system; epilepsy; stroke; psychological disease; stress; manic depression; schizophrenia; migraine; PCR primer; ss.
                                                                                                                                                                                                                                                                                        Human GABA-B receptor PCR primer GB16as(hs).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAA11686 standard; DNA;
WO200015786-A1.
                                                                Homo sapiens:
                                                                                                                                                                                                                                                                                                                                                         14-JUL-2000
                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21 BP
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A novel metabotropic receptor complex from the central nervous system, related coding sequences and methods of identifying binding substances ligands and interactions with other proteins WPI; 2000-283281/24.

Eisenhardt

ຸດ

Kuner R,

Hirschfeld

98DE-1041941. 98DE-1056066. 99WO-EP06742.

This invention describes a novel protein heteromer, containing at least a GABA-B receptor protein and at least a protein (A) or a sequence which has a substitution, inversion, insertion or deletion of one or more amino

has a substitution, acid residues and w

Example 5; Page 27; 66pp; German.

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RESULT 13
AAZ89497
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CC acid residues and which has neuroprotective activity of the protein CC heteromer and which has neuroprotective activity. The encoding nucleic acid (I), the construct, (A) or the protein heteromer are useful for CC acid (I), the construct, (A) or the protein heteromer are useful for CC identifying proteins (or nucleic acids encoding such proteins) that show a specific binding affinity to (A) or the protein heteromer. The two-hybrid CC system or biochemical methods can be used to identify interaction domains CC identifying and manufacture of substances which have specific binding CC identifying and manufacture of substances which have specific binding CC activity to the protein or protein complex is useful for CC activity to the protein or protein complex. The protein heteromer and CC mono- or polyclonal antibodies. (I) is useful for identifying and cC isolating homologous sequences, as a marker for human disease and for CC gene therapy. The methods can be used to identify substances, which bind CC interaction of the GABAETQIC signal messages in neurons of the central CC amplify interactions of (A) with other metabotropic receptors or interactions of (A) with G-proteins or other signal transduction molecules. The CC analysis of the interactions of (A) and GABA-B receptors is important conforting homologous active substances and has substances and has substances and has an of the interactions of (A) and GABA-B receptors is important conforting potential active substances are avained diseases such as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local S
Matches 11
                                                                                                                                                                                                                                                                                                                           GABA-B receptor; neuroprotectant; gene therapy; central nervous system; metabotropic receptor; signal transduction; epilepsy; stroke; migraine; psychological disease; stress; manic depression; schizophrenia; human;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              for identifying potential active substances against diseases such epilepsy, stroke and psychological diseases such as stress, manic depression, schizophrenia, migraine and others. This sequence
                                                                                                                                                                                                                                                                                                                                                                                                    Human GABA-B receptor cDNA PCR primer GB16as(hs).
                                                                                                                                                                                                                                                                                                                                                                                                                                            22-JUN-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAZ89497 standard; DNA; 21 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
                 WPI; 2000-257875/23
                                                   Kornau H,
                                                                                      (BADI ) BASF-LYNX BIOSCIENCE AG.
                                                                                                                           14-SEP-1998;
                                                                                                                                                             14-SEP-1998;
                                                                                                                                                                                                  16-MAR-2000
                                                                                                                                                                                                                                      DE19841941-A1
                                                                                                                                                                                                                                                                         Homo sapiens
                                                                                                                                                                                                                                                                                                        PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   represents a PCR primer used in the method of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 CGTTCCTCTTC 11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CGTTCCTCTTC 21
                                                 Eisenhardt G,
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                                                                                                                           98DE-1041941.
                                                                                                                                                               98DE-1041941
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2 G;
                                                 Kuner R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 11; DB; Pred. No. 4.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0,
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                                                   Hirschfeld
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hes 0;
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0

Gaps

0

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cc identifying and manufacture of substances which have specific binding cativity to the protein or protein complex. The protein heteromer and (A) cc or fragments of these are useful as antigens to generate specific monocc or polyvlonal antibodies. The encoding nucleic acid (I) is useful for disease and for gene therapy. The methods can be used to identify substances, which bind to (A) or (I) and that cause inhibition or continuous of the central nervous system. The method can also identify substances that inhibit or amplify interactions of (A) with other substances that inhibit or amplify interactions of (A) with other the central nervous system. The method can also identify substances that inhibit or amplify interactions of (A) with other the control of the central nervous system. The method can also identify substances that inhibit or amplify interactions of (A) with other the control of the control of the protein of the control of the control of the protein of the control of the control of the protein of the protein of the control of th
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A novel related ligands
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                for gene therapy. (A) or the protein heteromer are useful for identifying proteins (or nucleic acids encoding such proteins) that show specific binding affinity to (A) or the protein heteromer. The two-hybrid system or biochemical methods can be used to identify interaction domains of metabotropic receptors and use for pharmacotherapeutic intervention. Structural information from the protein or protein complex is useful for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         This invention describes a novel protein heteromer, containing at least a GABA-B receptor protein and at least a protein (A) or its derivative which retains the biological activity of the protein heteromer. The protein of the invention has neuroprotective activity and can be used for gene therapy. (A) or the protein heteromer are useful for identifying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 5; Page 11; 32pp; German
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   metabotropic receptor complex from the central nervous system, coding sequences and methods of identifying binding substances, and interactions with other proteins
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Best Query Match Sequence 21 BP; 1 Local Similarity CGTTCCTCTTC Conservative A; 9 C; 2 91.7%; 21 1 0 G; 9 T; 0 other; Score 11; DB 21; Pred. No. 4.6e+0; 0; Mismatches 4.6e+03; 0 Length 21; 0; Gaps

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                            RESULT 14
                                                                            Matches
AAH62356;
              AAH62356 standard;
                                                1
             DNA; 21
             gp.
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AAH62356
                                                     RBBP2 polymorphism containing DNA fragment #257.
                                                            12-SEP-2001
                                                            (first entry
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Key Variation Single nucleotide polymorphism; SNP; human; cancer; inflammation; heart disease; paternity testing; forensic science; ds. Homo sapiens WO200138576-A2 replace(11,G) /*tag= a /standard_name= "single nucleotide polymorphism" Location/Qualifiers

24-NOV-1999;

99US-0167334

17-NOV-2000; 2000WO-US31639

31-MAY-2001.

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RESULT 15
ABL43752/c
ID ABL43762/c
ID ABL437
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Best Local S
Matches 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DNA sequences AAH62100 - AAH62688 represent segments of human genes which contain single nucleotide polymorphisms (SNPs). A method is included in the invention for analysing a nucleic acid sample, which consists of determining the base occupying any one of the polymorphic sites given in the SNP containing sequences. The nucleotide sequences can be used in the diagnosis or monitoring of diseases, such as cancer, inflammation, heart diseases, diseases of the cardiovascular system, and infection by microorganisms. The oligonucleotides are also useful in the manufacture of a medicament for the treatment or prophylaxis of the diseases, and as a pharmaceutical. SNP containing oligonucleotides are useful in applications such as phenotype correlation, forensics, paternity testing, medicine and genetic analysis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .752/c
ABL43752 standard; DNA; 22
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          The present invention describes a method of arraying genome clones. The method comprises: (a) clones of the genomic libraries contained in multiwell plates numbered for discrimination are mixed in each of the multiwell plates; (b) a primer designed based on the chromosome marker
                                                                                                                                                                  Claim 4; Page 20; 528pp; Japanese.
                                                                                                                                                                                                                                 Arraying
                                                                                                                                                                                                                                                                                           WPI; 2002-144136/19.
                                                                                                                                                                                                                                                                                                                                                                                                                                                10-MAR-2000; 2000JP-0066716.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12-MAR-2001; 2001JP-0068285
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20-NOV-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    JP2001321190-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; chromosome 1p36-35; chromosome 21q22.1; genetic analysis; genome; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human chromosome 1p36-35 PCR primer SEQ ID NO:796.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  11-APR-2002
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                                                                                                                                                                                                                                                                                                                                                      (RIKA ) RIKAGAKU KENKYUSHO. (GENO-) GENOTEX YG.
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                                                                                                                                                                                                                             genome clones
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Pred. No. 4.6e+03
0; Mismatches (
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hes 0;
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sequence is added to the mixture to carry out an amplification reaction; (c) a signal corresponding to the marker is detected from the resultant camplified product to specify the discrimination Nos. of the multiwell complete containing the clones having said marker sequence; (d) the order of the markers is changed so that the same discrimination Nos succeed to the maximum in the specified discrimination Nos. to array the multiwell plates; (e) the clones in the multiwell plates of the specified discrimination Nos. are mixed respectively in each wells of longitudinal conditions of the specified by using the above primer; (g) signals credited throm the amplified by using the above primer; (g) signals are detected from the amplified by using the above primer; (g) signals creometituted as the positions on the chromosome and arrayed. The creometituted as the positions on the chromosome and arrayed. The creometituted as the positions on the chromosome and arrayed. The creometituted as the positions on the chromosome and arrayed. The creometituted as the positions on the chromosome and arrayed. The creometituted as the positions on the chromosome and arrayed. The creometituted as the positions on the chromosome and arrayed. The creometituted as the positions on the chromosome and arrayed. The creometituted as the positions of the chromosome and arrayed. The creometituted as the positions on the chromosome and arrayed. The creometituted as the positions of the chromosome and arrayed. The creometituted as the positions on the present and the positions are conditionally claimed for use in the present invention.
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Sequence 22 BP; 7 A; 4 C; 6 G; 5 T; 0 other;

Query Match
Best Local Similarity
Matches 11; Conserv 1 CGTTCCTCTTC 11 Conservative 91.7%; Score 11; Pred. No. 0 Mismatches DB 24; 1 Length 22 Indels 0 0

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Search completed: June 23, 2003, 05:43:34 Job time: 80.0527 secs

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Minimum DB
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195.867 Million cell updates/sec
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/cgn2_6/ptodata/2/ina/5B_COMB.seq:*
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/cgn2_6/ptodata/2/ina/6B_COMB.seq:*
/cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
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  GenCore version 5.1.6 (c) 1993 - 2003 Compugen Ltd.
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US-08-584-040-8457

US-08-988-706-54

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US-08-584-040-2522

US-08-584-040-2522

US-08-584-040-2522

US-09-306-595C-30

US-09-400-692-85

US-09-400-692-85

US-09-203-895-5

US-09-203-895-5

US-09-409-344C-18

US-07-820-412-8

US-07-820-412-8
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US-08-031-143B-33

US-08-833-377-14

PCT-US94-02891-6

PCT-US94-02891-33
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US-08-770-565-3
US-08-833-377-7
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| 03-00-413-313-13 | US-08-485-692-20 | US-08-485-692-19 | US-08-210-880B-4 | US-08-884-324-19 | US-08-884-324-17 | US-08-646-367-27 | PCT-US94-09851-66 | US-08-338-579A-66 | US-08-916-120A-6 | US-08-916-120A-5 | US-08-916-120A-4 | US-08-916-120A-3 | US-08-916-120A-2 | US-08-916-120A-1 | US-08-611-155B-6 | US-08-611-155B-5 | US-08-611-155B-4 |
| sequence 15, Appr | Sequence 20, Appl | Sequence 19, Appl | Sequence 4, Appli | Sequence 19, Appl | Sequence 17, Appl | Sequence 27, Appl | Sequence 66, Appl | Sequence 66, Appl | Sequence 6, Appli | | • | Sequence 3, Appli | Sequence 2, Appli | Sequence 1, Appli | Sequence 6, Appli | Sequence 5, Appli | Sequence 4, Appli |

ALIGNMENTS

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US-08-770-565-4
                                                    US-08-770-565-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
APPLICANT: Kim, Na
APPLICANT: Wu, Fre
APPLICANT: Kealey,
Query Match
Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 4, Application US/08770565 Patent No. 5846723
                                                                                                                                  TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 base pairs
                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: 01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk
                                                                 LENGTH: 12 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
                                                                     MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET: Tw
CITY: San
STATE: Cal
                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/0 FILING DATE: 20-DEC-1996 CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           94111-3834
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           E: TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
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Wu, Fred
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Weinrich,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kealey, James T.
Pruzan, Ronald
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100.0%;
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                                                                                                                                                                                                                                                                                                                                                US/08/770,565
                                                                                                                                                                        4.
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Score 12;
Pred. No.
                DB 2;
              Length 12
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Matches

12;

Conservative

0;

Mismatches

Indels

., Gaps

0,

1.6e+02;

Similarity

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                                          GENERAL INFORMATION:
APPLICANT: Weinrich, Scott L.
APPLICANT: Aktinson III, Edward M.
APPLICANT: Lichtsteiner, Serge P.
APPLICANT: Vasserot, Alain P.
APPLICANT: Vasserot, Alain P.
APPLICANT: Kealey, James T.
TITLE OF INVENTION: Purified Telomerase
NUMBER OF SEQUENCES: 15
                                                                                                                                                                                                                                                             Sequence 7
Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 12; Conserv
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SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PATENTIAN PC-DOS/MS-DOS

SOFTWARE: PATENTIAN PC-DOS/MS-DOS

SOFTWARE: PATENTIAN PC-DOS/MS-DOS

SOFTWARE: PATENTIAN DATA:

APPLICATION NUMBER: US/08/770,565

FILING DATE: 20-DEC-196

FILING DATE: 20-DEC-196

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: STOTALIA, John R.

REFERENCE/DOCKET NUMBER: 015389-002

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-576-0300
                                                                                                                                                                                                                                                                                                             -08-833-377-7
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ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ronald
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 CGTTCCTCTTCC 12
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Townsend and Townsend and Crew LLP
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GENERAL INFORMATION AND THE GENERAL INFORMATION APPLICANT: Wu, Fred APPLICANT: Wu, Fred APPLICANT: Weinrich, Scott L. TITLE OF INVENTION: Methods for Detecting the RNA Component of TITLE OF INVENTION: Telomerase NUMBER OF SEQUENCES: 26

CORRESPONDENCE ADDRESS:
ADDRESSEE: TWO Embarcadero Center, 8th Floor Can Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-770-565-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Patent No.
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Best Local
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ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC COMPATIBLE
COMPATER: IBM PC COMPATIBLE
COMPATISM: PC COMPATIBLE
COMPATISM: PC COMPATIBLE
COMPATING SYSTEM: PC COMPATIBLE
OPERATING SYSTEM: PC COMPATIBLE
COMPATION NUMBER: US/08/833,377
FILING DATE: 04-APR.1997
CLASSIFICATION NUMBER: US 08/510,736
FILING DATE: 04-APR.1995
CLASSIFICATION NUMBER: US 08/510,736
FILING DATE: 04-AUG-1995
ATTONNEY/AGENT INFORMATION:
NAME: STOTELLE, JOHN R.
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 013389-001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: 7:
                              COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: 1BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
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NAME/KEY: -
LOCATION: 1.
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LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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CITY: San Francisco
STATE: California
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OTHER INFORMATION: /note= "Oligo 14ab"
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                     APPLICATION DATA
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nilarity 100.0%; Pred. No. 1.
Conservative 0; Mismatches
US/08/770,565
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1.6e+02;
les 0; Indels
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CLASSIFICATION:

20-DEC-1996

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US-08-770-565-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 100.0%; Score 12; DB 2; 1
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 12; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
                                                                                                                                                          TELEX: 421792
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                             SOPTWARE: WORD PERFECT # 5.1

CURRENT APPLICATION DATA:
APPLICATION UMBER: US/08/031,143B
FILING DATE: 12-MAR-1993
CLASSIFICATION: 435
CLASSIFICATION: 435
                                                                                                                                                                                                                                                      REGISTRATION NUMBER: 26,728
REFERENCE/DOCKET NUMBER: 201
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-758-4800
                                HYPOTHETICAL: NO ANTI-SENSE: YES
                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
NAME: WILLIAM S. FEILER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                   ORIGINAL SOURCE:
                                                                                         MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: LEONARD, WARREN J.; NOGUCHI, MASAYUKI;
APPLICANT: MCBRIDE, O. WESLEY
TITLE OF INVENTION: METHODS FOR DIAGNOSIS AND
TITLE OF INVENTION: TREATMENT OF XSCID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: 01
TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES:
                                                                                                                                                                                                                      TELEPHONE: 212-751-6849
                                                                                                                        STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 30 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                           TOPOLOGY: UNKNOWN
                                                                                                                                             TYPE: NUCLBIC ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: NEW YORK
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                                                                      DESCRIPTION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         USA
HUMAN
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                                                                      OLIGONUCLEOTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION:
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US-08-031-143B-33
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                                                                                                                US-08-031-143B-33
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                                                         Matches
                                                                                   Query Match
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APPLICANT: LEONARD, WARREN J.; NOGUCHI, MASAYUKI;
APPLICANT: MCBRIDE, O. WESLEY
                                                                                                                                                                                                                                                                                                             TELEX: 421792
INFORMATION FOR SEQ ID NO:
                                                                                                                              ORIGINAL SOURCE:
ORGANISM: HUMAN
INDIVIDUAL ISOLATE:
                                                                                                                                                                          DESCRIPTION: OLIGONUCLEOTIDE HYPOTHETICAL: NO ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
NAME: WILLIAM S. FEILER
REGISTRATION NUMBER: 26,
                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/0
FILING DATE: 12-MAR-1993
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY
                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: 20 TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION:
                                                                                                                                                                                                                      MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-I
SOFTWARE: WORD PERFECT # 5.1
                                                                       Local Similarity
                                                                                                                                                                                                                                                 TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
                                                                                                                                                                                                                                                                                                                                          TELEPHONE: 212-758-4800
TELEFAX: 212-751-6849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY: USA
ZIP: 10154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                    TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE:
                                                                                                                                                                                                                                                                                ENGTH:
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                        2 GTTCCTCTTCC 12
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                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      IBM PC COMPATIBLE
SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                      UNKNOWN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MORGAN & FINNEGAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FLOPPY DISK
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                                                                     91.7%; Score 11; 100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      METHODS FOR DIAGNOSIS AND TREATMENT OF XSCID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            91.7%; Score 11; 100.0%; Pred. No.
                                                                                                                                 IL-2R
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                                                       0,
                                                       Mismatches
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                                                      Gaps
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RESULT 7 US-08-833-377-14

; Sequence 14, Application US/08833377

INFORMATION:

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REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 0153
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local
                                                                                                                                                                                                                                                                         Sequence 6, Application PC/TUS9402891 GENERAL INFORMATION:
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/833,377
FILING DATE: 04-APR-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION MUMBER: US 08/510,736
FILING DATE: 04-AUG-1955
FILING DATE: 04-AUG-1956
FILING DATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Atkinson III, Edward M.
APPLICANT: Lichtsteiner, Serge P.
APPLICANT: Vasserot, Alain P.
APPLICANT: Pruzan, Ronald A.
APPLICANT: Kealey, James T.
TITLE OF INVENTION: Purified Telomerase
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE. California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: modified_base
LOCATION: 100CATION: /mod_base= OTHER
OTHER INFORMATION: /mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LOCATION: 1..20
OTHER INFORMATION: /note= "biotinylated Oligo 14ab"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: sing
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GTTCCTCTTCC 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GITCCICTICC 12
                                                                                                                                       THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES
                                                  OFFICE OF TECHNOLOGY TRANSFER, NATIONAL INSTITUTES OF HEALTH, BOX OTT, BETHESDA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
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TES OF HEALTH, BOX OTT, BETHESDA, MARYLAND 20892 USA METHODS FOR DIAGNOSIS AND TREATMENT OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               91.7%; Score 11; DB 2; 100.0%; Pred. No. 5.5e+
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PCT-US94-02891-33; Sequence 33, Applicat; GENERAL INFORMATION: THE GC; APPLICANT: THE GC

Application PC/TUS9402891

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THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES

APPLICANT: OFFICE OF TECHNOLOGY TRANSFER, NATIONAL APPLICANT: INSTITUTES OF HEALTH, BOX OTT, BETHESDA, MARYLAND 20892 USA TITLE OF INVENTION: METHODS FOR DIAGNOSIS AND TREATMENT OF TITLE OF INVENTION: XSCID NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:

STREET:

345 PARK AVE

MORGAN & FINNEGAN

NEW YORK

ADDRESSEE:

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Best Local Similarity
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CLASS FEICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION UNDER: 08/031,143
FILING DATE: 12-MAR-1993
APPLICATION NUMBER: 08/221,435
FILING DATE: 14-SEPT-1993
ATTORNEY/AGENT INFORMATION:
NAME: WILLIAM S. FEILER
NAME: WILLIAM S. FEILER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: 212-751-6849
TELEX: 421792
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORIGINAL SOURCE:
ORGANISM: HUN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DESCRIPTION: OLIGONUCLEOTIDE HYPOTHETICAL: NO ANTI-SENSE: YES OBTGTTNT OFFICE OFFICE OF THE OFFICE OFFICE OF THE OFFICE OF THE OFFICE O
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MEDIUM TYPE: FLOPPY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REGISTRATION NUMBER: 26,728
REFERENCE/DOCKET NUMBER: 20
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-758-4800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: 1BM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WORD DERFECT # 5.1 CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: MORGAN & F
STREET: 345 PARK AVE.
CITY: NEW YORK
STATE: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: UNKNOWN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ECULE TYPE:
18 GTTCCTCTTCC 8
                                                                                                                                                                               1 Similarity 100.0%;
11; Conservative
                                                                                       2 GITCCTCTTCC 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                HUMAN
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                                                                                                                                                                                                                                                                                 91.78;
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                                                                                                                                                                                                                             Score 11;
; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2026-4061
                                                                                                                                                                                                                                                                      Length 20
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COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATI

IBM PC COMPATIBLE

PC-DOS/MS-DOS

OPERATING SYSTEM:

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                                                                                                                                                                                                                                                                                                                                                                          Sequence 33, App...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
                                                               STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb s:
COMPUTER: IBM PS/2 Mcdel 50Z or 55SX
COMPUTER: IBM PS/2 Mcdel 50Z or 55SX
OPERATING SYSTEM: IBM PC. DOS (Version 5.0)
SOFTWARE: Wordberfect (Version 5.0)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: VSTY, CALVIN
TITLE OF INVENTION: NUCLBIC ACID SEQUENCE DETECTION
TITLE OF INVENTION: TRIPLE HELIX FORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEX: 421792
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DESCRIPTION:
HYPOTHETICAL: 1
ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 08/031,143
FILING DATE: 12-MAR-1993
APPLICATION NUMBER: 08/121,435
FILING DATE: 14-SEPT-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORIGINAL SOURCE:
ORGANISM: HUMJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-758-4800
TELEPAX: 212-751-6849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: WORD PERFECT # 5.1
CURRENT APPLICATION DATA:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE:
                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRANDEDNESS: SING
TOPOLOGY: UNKNOWN
                  CLASSIFICATION:
                                  FILING DATE:
                                                  APPLICATION NUMBER:
                                                                                                                                                                                                                        CITY: Boston
                                                                                                                                                                                                                                      STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REGISTRATION NUMBER: 26,728
REFERENCE/DOCKET NUMBER: 2026-4061
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: WILLIAM S. FEILER REGISTRATION NUMBER: 26,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: PCT/US94/02891
                                                                                                                                                                                                                                                            ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GTTCCTCTTCC 13
                                                                                                                                                                                                                                                                                                                                                                                                 Application US/08294424
                                                                                                                                                                                                                                          225 Franklin Street
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                                              US/08/294,424
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                                                                                               te, 1.44 Mb storage
50Z or 55SX
C. DOS (Version 3.30)
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; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 83.3%;
Best Local Similarity 100.0%;
                                                         APPLICATION NUMBER: US/08/584,040
FILING DATE: January 11, 1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/005,974
FILING DATE: October 26, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION FOR SEQ ID NO: 33 :
                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM: MEDIUM TYPE: 3.5" Di MEDIUM TYPE: Storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION: TELEPHONE: (617) 542-5070
             TELECOMMUNICATION INFORMATION: TELEPHONE: (213) 489-1600
                                                                                                                                                                                                            CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: METHOD AND REAGENT FOR T
                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                  STREET:
                                                                                                                                                                                                                                                                                                                                         CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 16 JAN 1993
APPLICATION NUMBER: US/07/629,601B
PTITING DATE: 17-DEC-1990
                                                                                                                                                                                                                          OPERATING SYSTEM:
SOFTWARE: Word Pe
                                          REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/064
                                                                                                                                                                                                                                                          COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX:
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REFERENCE/DOCKET NUMBER: 00088-037001
                                                                                                                                                                                                                                                                                                                             ZIP:
                                                                                                                                                                                                                                                                                                                                                                                          STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE:
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           TELEPHONE:
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o. 6346398
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                                                                                                                                                                                                                                                                                                                                                                                                           3: Lyon & Lyon
633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                            Suite 4700
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Escobedo,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Stinchcomb, Dan T.
Escobedo, Jaime
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Application US/08584040
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           McSwiggen, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pavco,
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                                                                                                                                                                                                                        Word Perfect 5.1
                                                                                                                                                                                                                                                          IBM Compatible
955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pamela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CONDITIONS RELATED TO LEVELS OF VASCULAR ENDOTHELIAL
                                                                                                                                                                                                                                           IBM P
                                                                                                                                                                                                                                                                                          Diskette, 1.44 Mb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GROWTH FACTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                            8502
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Length 17

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ATTORNEY/AGENT INFORMATION:
NAME: TARCZA, John E.
REGISTRATION NUMBER: 33,638
REFERENCE/DCCKET NUMBER: PA-0108
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-208-1888
TELEPHONE: 401-208-1888
TELEPHONE: 401-208-1888
TELEPHONE: 170-208-1888
TELEPHONE: 170-208-1888
TOPOLOGY: 111-208-1888
TELEPHONE: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
ORGANISM: HOWN TARENS
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/988,706
FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: LAWRENCE, Tammy
APPLICANT: LESCALLET, Jennifer L.
APPLICANT: MURPHY, Patricia D.
APPLICANT: ALLEN, Antonette P.
APPLICANT: THRUBER, Denise B.
APPLICANT: MHITE, Marga B.
APPLICANT: ZENG, Bin
APPLICANT: SADZEWICZ, Lisa K.
TITLE OF INVENTION: CANCER SUSCEPTIBILITY MUTATIONS OF BRCA1
NUMBER OF SEQUENCES: 55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: Oncormed, Inc.
STREET: 205 Perry Parkway
CITY: Gaithersburg
STATE: MD
                              ORGANISM: no.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Ga
STATE: M
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              y Match 83.3%; Score 10; DB 4; Length 15;
Local Similarity 50.0%; Pred. No. 1.9e+03;
hes 5; Conservative 5; Mismatches 0; Indels
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TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20877
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ANGELLY, TRACY S.
LAWRENCE, Tammy
LESCALLETT, Jennifer L.
MURCHY, Patricia D.
ALLEN, Antonette P.
THRUBER, Denise B.
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                    RESULT 14
US-08-584-040-2520
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Sequence 2520, Application US/08584040
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RESULT 13
US-08-584-040-2519
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                                                                               Query Match
Best Local S
Matches 5
                                                                                                                                                                                                       TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 83.3%; Score 10; DB 3; Best Local Similarity 100.0%; Pred. No. 1.9e+03 Matches 10; Conservative 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Pavco, Pamela
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Escobed, Jaime
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: TREATMENT OF DISEASES OR
TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
TITLE OF INVENTION: GROWTH FACTOR
NUMBER OF SEQUENCES: 8502
                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM PC. DOS 5.0
SOFTMARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/584,040
FILLING DATE: January 11, 1996
CILASSIFICATION NUMBER: 60/005,974
PRICK APPLICATION NUMBER: 60/005,974
PRICK APPLICATION NUMBER: 60/005,974
PRICK APPLICATION NUMBER: 32,327
REGISTRATION NUMBER: 32,327
REGISTRATION NUMBER: 32,327
REGISTRATION NUMBER: 32,327
REGISTRATION NUMBER: 218/064
TELECOMMUNICATION INFORMATION:
TELEPONE: (213) 489-1600
TELEPONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INFORMATION:
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7 GUUCCUCUUC 16
                                                                                 Similarity 50.05; Conservative
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                                                                                                                                                                                        linear
                                                                                                    50.0%;
                                                                                                       Score 10; DB 4;
Pred. No. 1.9e+03
                                                              1.9e+03;
                                                                                                                        Length 17;
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GENERAL INFORMATION:

Pavco,

Pamela

McSwiggen, James Stinchcomb, Dan T. 6346398

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Query Match
Best Local Similarity
""-"hes 5; Conserve
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Sequence 2521, Application US/08584040
Patent No. 6346398
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 17 base pairs TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear
                                                                                                           GENERAL INFORMATION:
APPLICANT: Pavco, Pamela
APPLICANT: McSwiggen, James
APPLICANT: Stinchcomb, Dan T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDAL.
STREET: Suite
STREET: Suite
STREET: Los Angeles
CITY: Los Angeles
CITY: Los Angeles
CITY: Los Angeles
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION UMBER: 60/005,974
PILING DATE: October 26, 1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/064
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/584,040
FILING DATE: January 11, 1996
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                      TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: ESCOBEDO, Jaime
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: TREATMENT OF DISEASES OR
TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
TITLE OF INVENTION: GROWTH FACTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES:
                                                                                               APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM Compatible OPERATING SYSTEM: IBM P.C. SOFTWARE: Word Perfect 5.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Warburg, Richard J. REGISTRATION NUMBER: 32,3
                  OF INVENTION:
                                                                                                                                                                                                                                                                                                              GUUCCUCUUC 15
                                                                                                                                                                                                                                                                                                                                                     GTTCCTCTTC 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3: Lyon & Lyon
633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                             Escobedo,
                                                                                                                                                                                                                                                                                                                                                                                                          83.3%;
            METHOD AND REAGENT FOR THE TREATMENT OF DISEASES OR CONDITIONS RELATED TO LEVELS OF VASCULAR ENDOTHELIAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             IBM P.C. DOS 5.0
GROWTH FACTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8502
                                                                                                                                                                                                                                                                                                                                                                                   Score 10; DB 4;
Pred. No. 1.9e+03;
5; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                            DB 4; Length 17;
                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                       0;
                                                                                                                                                                                                                                                                                                                                                                                       0,
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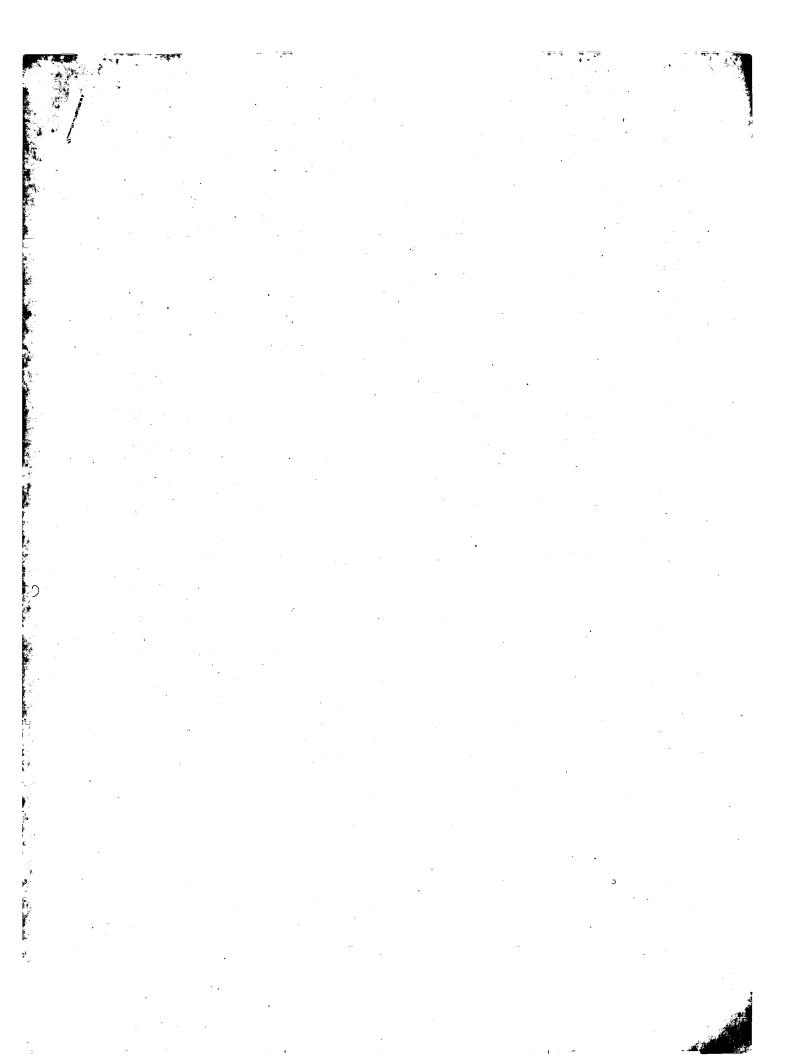
: 18.7888 secs

0;

Gaps

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Search completed: June 23, 2003, 10:17:03
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                                                                                                                                                                              US-08-584-040-2521
                                                                                                             Best Local Similarity Matches 5; Conserv
                                                                                                                                            Query Match
                                                                                                                                                                                                                                                         TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                     PILING DATE: January 11, 1770
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/005,974
APPLICATION NUMBER: 26, 1995
                                                                                                                                                                                      LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                      NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 21
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: October 26, ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: Word Perfect 5.
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                              TELEFAX: (2-)
TELEFAX: 67-3510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDIUM TYPE:
MEDIUM TYPE:
COMPUTER: IBM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                             TELEPHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/08/584,040
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 90071-2066
                                                  3 GUUCCUCUUC 12
                                                                              GTTCCTCTTC 11
                                                                                                              83.3%;
ilarity 50.0%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IBM P.C.
                                                                                                                                                                                                                                                                                                                                                            218/064
                                                                                                             Score 10; DB 4;
Pred. No. 1.9e+03;
5; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DOS 5.0
                                                                                                                                            Length 17;
                                                                                                                Indels
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E 3
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: June 23, 2003, 06:41:29 ; Search time 96.4303 Seconds (without alignments) 182.610 Million cell updates/sec

Title: US-08-770-564A-4
Perfect score: 12
Sequence: 1 CGTTCCTTCC 12

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 1042519 segs, 733713590 residues

Word size : 0

Total number of hits satisfying chosen parameters:

832576

Minimum DB seq length: 0 Maximum DB seq length: 50

Post-processing: Listing first 45 summaries

Database: Published Applications NA:*

1: /cgn2 6/ptcdata/1/pubpna/US07_PUBCOMB.seq:*

2: /cgn2 6/ptcdata/1/pubpna/POT_NEW_PUB.seq:*

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7: /cgn2 6/ptcdata/1/pubpna/US08_NEW_PUB.seq:*

8: /cgn2 6/ptcdata/1/pubpna/US08_NEW_PUB.seq:*

10: /cgn2 6/ptcdata/1/pubpna/US08_PUBCOMB.seq:*

11: /cgn2 6/ptcdata/1/pubpna/US09_PUBCOMB.seq:*

12: /cgn2 6/ptcdata/1/pubpna/US10_NEW_PUB.seq:*

13: /cgn2 6/ptcdata/1/pubpna/US10_NEW_PUB.seq:*

14: /cgn2 6/ptcdata/1/pubpna/US10_NEW_PUB.seq:*

14: /cgn2 6/ptcdata/1/pubpna/US10_NEW_PUB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIE

| Result No. 9 | c 1 | ი 2 | ω | 4 | υ | σ | c 7 | 80 | o 9 | c 10 | c 11 | 12 | c 13 | C 14 | 15 | c 16 | | 17 | c 18 |
|-----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|------------------|---------------------|------|
| Score | 11 | 11 | 11 | 11 | 11 | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | |
| Query Match Length | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | |
| Length | 25 | 25 | 25 | 25 | 25 | 25 | 17 | 17 | 17 | 18 | 18 | 19 | 20 | 20 | 20 | 20 | 20 | 22 | |
| DB | ا و | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 9 | ٥ |
| ID | US-10-215-112-12736 | US-10-098-263B-24096 | US-10-098-263B-81647 | US-10-098-263B-81648 | US-10-098-263B-96226 | US-10-098-263B-114611 | US-09-818-875-899 | US-09-818-875-900 | US-10-163-552-930 | US-09-925-388-30 | US-09-969-373-3188 | US-09-969-373-1794 | US-10-139-496-25 | US-10-181-846-85 | US-09-953-047-40 | US-10-216-484-94 | US-10-216-484-98 | US-09-864-636A-1899 | |
| Description | Sequence 12736, A | Sequence 24096, A | Sequence 81647, A | Sequence 81648, A | Sequence 96226, A | | , 668 | Sequence 900, App | • | Sequence 30, Appl | Sequence 3188, Ap | Sequence 1794, Ap | Sequence 25, Appl | Sequence 85, Appl | Sequence 40, Appl | Sequence 94, Appl | • | | |

; Sequence 24096, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION UNBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16

RESULT 2 US-10-098-263B-24096/c

| 1 1 10 83.3 24 10 US-09-818-954A-4 2 10 83.3 24 10 US-09-007-657-4 3 10 83.3 25 9 US-09-754-853A-686 4 10 83.3 25 9 US-09-754-853A-686 5 10 83.3 25 9 US-10-215-112-2936 6 10 83.3 25 9 US-10-215-112-2936 6 10 83.3 25 9 US-10-215-112-4639 7 10 83.3 25 9 US-10-215-112-4639 8 10 83.3 25 9 US-10-215-112-13297 8 10 83.3 25 9 US-10-098-263B-17568 9 11 83.3 25 9 US-10-098-263B-19683 9 US-10-098-263B-19683 9 US-10-098-263B-25145 9 US-10-098-263B-2518-4698 9 US-10-098-263B-4659 9 US-10-098-263B-4659 9 US-10-098-263B-4659 9 US-10-098-263B-4659 9 US-10-098-263B-95971 9 US-10-098-263B-95971 9 US-10-098-263B-95971 9 US-10-098-263B-95971 9 US-10-098-263B-95971 9 US-10-098-263B-95972 | C . | | | .4 | 4. | .4 | | ი ა | | | | | c 3 | u | ω | | | | | ი 2 | | | N | ი 2 | N | N |
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| 83.3 24 10 US-09-818-954A-4 Sequence 4.83.3 24 10 US-09-943-388-16 Sequence 4.83.3 25 9 US-09-943-388-16 Sequence 4.83.3 25 9 US-09-754-853A-686 Sequence 6.86.83.3 25 9 US-10-215-112-4639 Sequence 2938-33 25 9 US-10-215-112-4639 Sequence 2938-33 25 9 US-10-98-263B-17568 Sequence 2938-33 25 9 US-10-098-263B-17568 Sequence 1756-175-175-175-175-175-175-175-175-175-175 | UT I | 4. | w | N | _ | 0 | 9 | œ | 7 | თ | G | .4 | ω | 2 | _ | 0 | 9 | 8 | 7 | 9 | 5 | 4 | ω | N | سر | 20 |
| 24 10 US-09-818-954A-4 3 24 10 US-09-818-954A-4 3 24 10 US-09-037-657-4 3 25 9 US-09-943-388-16 3 25 9 US-09-943-388-16 3 25 9 US-09-754-853A-686 Sequence 686, 3 25 9 US-10-215-112-2936 Sequence 2936 Sequence 2936 Sequence 4630 Sequence 4630 Sequence 2936 Sequence 1322 Sequence 1322 Sequence 1322 Sequence 2936 Sequence 4036 Sequenc | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 10 US-09-018-954.4 10 US-09-043-368-1 10 US-09-043-368-1 10 US-09-943-388-16 9 US-09-954-338-16 9 US-10-215-112-2936 9 US-10-215-112-4630 9 US-10-215-112-4630 9 US-10-215-112-4630 9 US-10-098-263B-17568 9 US-10-098-263B-17568 9 US-10-098-263B-17568 9 US-10-098-263B-17568 9 US-10-098-263B-17568 9 US-10-098-263B-17568 9 US-10-098-263B-24706 9 US-10-098-263B-2514 9 US-10-098-263B-3832 9 US-10-098-263B-39832 9 US-10-098-263B-39832 9 US-10-098-263B-39832 9 US-10-098-263B-39832 9 US-10-098-263B-40300 9 US-10-098-263B-40300 9 US-10-098-263B-40300 9 US-10-098-263B-40300 9 US-10-098-263B-52287 9 US-10-098-263B-52887 9 US-10-098-263B-58858 9 US-10-098-263B-84565 9 US-10-098-263B-84565 9 US-10-098-263B-84585 9 US-10-098-263B-86229 9 US-10-098-263B-86229 9 US-10-098-263B-86229 9 US-10-098-263B-95971 9 US-10-098-263B-95972 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| US-09-818-954A-4 US-09-818-954A-4 US-09-943-388-16 US-09-943-388-16 US-09-943-388-16 US-09-954-853A-686 US-10-215-112-2936 US-10-215-112-4629 US-10-215-112-4629 US-10-215-112-13297 US-10-098-263B-2814 US-10-098-263B-27768 US-10-098-263B-27768 US-10-098-263B-2776 US-10-098-263B-2877 US-10-098-263B-2877 US-10-098-263B-2877 US-10-098-263B-39832 US-10-098-263B-39837 US-10-098-263B-39837 US-10-098-263B-39837 US-10-098-263B-39837 US-10-098-263B-39837 US-10-098-263B-39837 US-10-098-263B-4708 US-10-098-263B-48698 US-10-098-263B-48698 US-10-098-263B-5987 US-10-098-263B-5988 Sequence 4020 US-10-098-263B-86229 US-10-098-263B-86229 US-10-098-263B-86229 US-10-098-263B-86229 US-10-098-263B-95971 US-10-098-263B-95972 US-10-098-263B-95972 US-10-098-263B-95972 US-10-098-263B-95989 US-10-098-263B-95899 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 24 | 24 | 24 |
| S-09-818-954A-4 Sequence 4, S-09-913-388-16 Sequence 4, Sequence 16 Sequence 686, 10-215-112-2936 Sequence 686, 10-215-112-4639 Sequence 293(10-215-112-4639 Sequence 463(Sequence 463(Sequence 132(Sequence 132(Sequence 132(Sequence 132(Sequence 217(Sequence 217(Sequence 217(Sequence 217(Sequence 247(Sequence 247(Sequence 247(Sequence 247(Sequence 247(Sequence 253(Sequence 247(Sequence 263(Sequence 403(Sequence 845(Sequence 845 | · o | ဖ | 9 | 9 | 9 | ဖ | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 9 |
| e 4, 162, 166, 166, 167, 175, 175, 175, 175, 175, 175, 175, 17 | US-10-098-263B-96589 | US-10-098-263B-95972 | US-10-098-263B-95971 | US-10-098-263B-86229 | US-10-098-263B-84565 | US-10-098-263B-67887 | US-10-098-263B-52287 | US-10-098-263B-44698 | US-10-098-263B-40300 | US-10-098-263B-40299 . | US-10-098-263B-39832 | US-10-098-263B-26377 | US-10-098-263B-25145 | US-10-098-263B-24706 | US-10-098-263B-19683 | US-10-098-263B-17568 | US-10-098-263B-2814 | US-10-215-112-13297 | US-10-215-112-4630 | US-10-215-112-4629 | US-10-215-112-2936 | US-09-754-853A-686 | US-09-943-388-16 | US-09-037-657-4 | US-09-818-954A-4 | US-10-101-487-13 |
| | | | | 86229, | 84565, | 67887, | 52287, | 44698, | 40300, | 40299, | 39832, | 26377, | 25145, | 24706, | | | | | | | 2936, | 686, | 16, | 4, | 4, | Sequence 13, Appl |

ALIGNMENTS

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; OTHER INFORMATION: Synthetic Oligonucleotide US-10-215-112-12736
                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 1
US-10-215-112-12736/c
 밁
                              S
                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/10/215,112
CURRENT FILING DATE: 2002-08-08
NUMBER OF SEQ ID NOS: 14936
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 12736
                                                                                                                                                                                                                                                                                                                                                                                           Sequence 12736, Application US/10215112 Publication No. US20030082596A1 GENERAL INFORMATION:
                                                                  Matches
                                                                            Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: Method of Genetic Analysis of Probes: TITLE OF INVENTION: Test3
FILE REFERENCE: 3119
                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Michael Mittmann
                                                                                                                                                                    LENGTH: 25
TYPE: DNA
ORGANISM: Artificial Sequence
PEATURE:
18 GITCCTCTTCC
                                                                  11;
                            GTTCCTCTTCC 12
                                                                  Conservative
                                                         91.7%; bu
100.0%; Pr
 8
                                                                Score 11; DB 9; L; Pred. No. 1.7e+03; 0; Mismatches 0;
                                                                                                Length 25;
                                                                  Indels
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Gaps

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9
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        밁
                                                                                                                                                    ; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-81648
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            닭
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; ORGANISM: Homo sapien US-10-098-263B-24096
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-098-263B-81648
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; ORGANISM: Homo sapien 
US-10-098-263B-81647
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-098-263B-81647
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 81647
LENGTH- 26
                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 81648
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Publication No. US20030104410A1
GENERAL INFORMATION:
APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 81647, Application US/10098263B
Publication No. US20030104410A1
GENERAL INFORMATION:
APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
ETIT DEFERENCE. 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQ ID NOS: 131066

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 24096
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 91.7%; Score 11; Best Local Similarity 100.0%; Pred. No. Matches 11; Conservative 0; Mismatci
                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                           TYPE: DI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
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                      م
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ch 91.7%;
1 Similarity 100.0%;
11; Conservative (
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                                                                          h 91.7%; Score 11; DB 9; L. Similarity 100.0%; Pred. No. 1.7e+03; 11; Conservative 0; Mismatches 0;
                              GTTCCTCTTCC 12
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Pred. No. 1.7e+
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cheв 0;
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                                                                                                               Length 25
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Matches
                                                                                                                                                    GENERAL INFORMATION:
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APPLICANT: Kmiec, Eric B.
APPLICANT: Gamper, Howard B.
APPLICANT: Gamper, Howard B.
APPLICANT: Rice, Michael C.
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single TITLE OF INVENTION: Stranded Oligonucleotides
FILE REFERENCE: Napro-4
FILE REFERENCE: Napro-4
CURRENT APPLICATION NUMBER: US/09/818,875
CURRENT FILING DATE: 2001-03-27
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RESULT 7
US-09-818-875-899/c
; Sequence 899, Application US/09818875
; Publication No. US20030051270A1
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US-10-098-263B-96226
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                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 114611
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 96226, Application US/10098263B Publication No. US20030104410A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 96226
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 114611, Application US/10098263B Publication No. US20030104410A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                       TYPE: DNA
ORGANISM: Homo sapien
                                                                                                                                                                                                                                         Local Similarity
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, 100.0%; Pr
, ... 0;
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; Pred. No. 1.7e+0
0; Mismatches
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Pred. No. 1.7e+
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US-09-818-875-900
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                                                                                               GENERAL INFORMATION:
                                                                                                                 Sequence 930, Application US/10163552
Publication No. US20030105051A1
                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQ ID NO 900
LENGTH: 17
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                   APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Nucleic acid treatment of diseases
TITLE OF INVENTION: HER2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR FILING DATE: 2000-06-01
PRIOR APPLICATION NUMBER: US 60/244,989
PRIOR FILING DATE: 2000-10-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT FILING DATE: 2001-03-27
PRIOR APPLICATION NUMBER: US 60/192,176
PRIOR FILING DATE: 2000-03-27
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CURRENT APPLICATION NUMBER: US/09/818,875
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TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
TITLE OF INVENTION: Stranded Oligonucleotides
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SOFTWARE: Friedman macro Napro4
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                                                         APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: McSwiggen, Jim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: US 60/192,179
PRIOR FILING DATE: 2000-03-27
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PRIOR APPLICATION NUMBER: US 60/192,179
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ORGANISM: Homo sapiens
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REFERENCE: MBHB01-1653-A (400/014)
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APPLICATION NUMBER: US 60/244,989
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Pred. No.
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Pred. No. 6.6e+
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; OTHER INFORMATION: Description of Artificial Sequence: ; OTHER INFORMATION: for cloning of 5'-adjacent region of US-09-925-388-30
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US-09-925-388-30/c
                                                                                                                                                                                                                                                                                                       US-09-969-373-3188/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: OJIMA, KAZUYUKI
APPLICANT: SETOGUCHI, YULAKA
TITLE OF INVENTION: ISOPRENOID PRODUCTION
FILE REFERENCE: ISOPRENOID PRODUCTION
CURRENT APPLICATION NUMBER: US/09/925,388
CURRENT FILING DATE: 2001-08-09
PRIOR APPLICATION NUMBER: 09/306,595
PRIOR FILING DATE: 1999-05-06
NUMBER OF SEQ ID NOS: 43
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
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SEQ ID NO 3188
                                                                                                                                                                                                                                                                      Sequence 3188, Application US/09969373 Patent No. US20020133852A1
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Best Local
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CURRENT FILLING DATE: 2002-06-06
NUMBER OF SEQ ID NOS: 1997
SOFTWARE: PatentIn version 3.0
                                                                                                                                       APPLICANT: Effertz, Roger J.
APPLICANT: Hauge, Brian M.
TITLE OF INVENTION: Soybean SSRs and Methods of
FILE REFERENCE: 38-10(52679)A
CURRENT APPLICATION NUMBER: US/09/969,373
CURRENT FILING DATE: 2001-10-02
               NUMBER OF SEQ ID NOS:
                                PRIOR APPLICATION NUMBER: US 09/855,768 PRIOR FILING DATE: 2001-05-15
                                                                PRIOR APPLICATION NUMBER: US 09/754,853
PRIOR FILING DATE: 2001-01-05
PRIOR APPLICATION NUMBER: US 09/760,427
PRIOR FILING DATE: 2001-01-13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: Artificial Sequence
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Pred. No.
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Sequence 1794, Application US/09969373

Patent No. US20020133852A1

GENERAL INFORMATION:

APPLICANT: Effertz, Roger J.

APPLICANT: Hauge, Brian M.

ITILE OF INVENTION: 809/bean SSRe and Methode of Genotyping

FILE REFERENCE: 38-10(52679)A

CURRENT PELICATION NUMBER: US/09/969,373

CURRENT PELICATION NUMBER: US 09/754,853

PRIOR APPLICATION NUMBER: US 09/760,427

PRIOR APPLICATION NUMBER: US 09/760,427

PRIOR APPLICATION NUMBER: US 09/760,427

PRIOR APPLICATION NUMBER: US 09/855,768

PRIOR APPLICATION NUMBER: US 09/855,768

PRIOR PILING DATE: 2001-05-15

INUMBER OF SEQ ID NOS: 4593

SEQ ID NO 1794

LENGTH: 19
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; ORGANISM: Glycine max
US-09-969-373-3188
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US-10-139-496-25/c
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; ORGANISM: Glycine max
US-09-969-373-1794
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Best Local Similarity 100
Matches 10; Conservative
                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: Carey, Thomas E.
APPLICANT: Nair, Thankum S.
APPLICANT: Gray, Jennifer P.
TITLE OF INVENTION: Development of Autoimmune Sensorineural Hearing Loss (AISNHTILE OF INVENTION: Development of Tests for Diagnosis and Management of AISNHL FILE REFERENCE: UM-6982
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 83.:
Best Local Similarity 100
Matches 10; Conservative
                                                                                                                                                                  SOFTWARE: PatentIn version 3.1 SEQ ID NO 25 LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 25, Application US/10139496 Publication No. US20030082646A1
Query, Match
Best Local Similarity
                                                              OTHER INFORMATION: Synthetic -10-139-496-25
                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/10/139,496.
CURRENT FILING DATE: 2002-09-10
PRIOR APPLICATION NUMBER: 09/222,179
PRIOR FILING DATE: 1998-12-29
NUMBER OF SEQ ID NOS: 36
                                                                                                                     ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6 TICCICITCC 15
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83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          83.3%; Score 10; DB 10; 100.0%; Pred. No. 6.4e+0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             83.3%; Score 10; DB 10; 100.0%; Pred. No. 6.5e+0;
Score 10;
; Pred. No.
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DB 9; Length 20
6.4e+03;
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GENERAL INFORMATION:

APPLICANT: Nicholas M. Dean
APPLICANT: Nicholas M. Dean
APPLICANT: Lex M. COMBET
TITLE OF INVENTION: ANTISENSE MODULATION OF DAY
FILE REFERENCE: RTSP.0363
CURRENT APPLICATION NUMBER: US/10/181,846
CURRENT FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: PCT/USO1/01416
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-01-24
NUMBER OF SEQ ID NOS: 176
SEQ ID NO 85
LENGTH: 20
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Search completed: June 23, 2003, 20:01:29 Job time : 97.4303 secs
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                                                                                                                                                                                                                             ; OTHER INFORMATION: Antisense Oligonucleotide
US-09-953-047-40
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; Sequence 85, Application US/10181846
; Publication No. US20030083297A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-181-846-85
                                                                                                                                                                                                                                                                                                    APPLICANT: Brett P. Monia
APPLICANT: Jacqueline Wyatt
APPLICANT: Jacqueline Wyatt
TITLE OF INVENTION: ANTISENSE MODULATION OF FIBROBLAST GROWTH FACTOR RECEPTOR 3
FILE REFERENCE: RTS-0157
CURRENT FILING DATE: 2001-09-10
CURRENT FILING DATE: 2001-09-10
NUMBER OF SEQ ID NOS: 95
SEQ ID NO 40
LENGTH: 20
TYPE: DNA
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Sequence 40, Application US/09953047
Publication No. US20030087854A1
GENERAL INFORMATION:
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Best Local Similarity
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                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                    ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                tch 83.3%; Score 10; DB 9; I al Similarity 100.0%; Pred. No. 6.4e+03; 10; Conservative 0; Mismatches 0;
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                                                                                                                                                   83.3%; Score 10; DB 9; 1
100.0%; Pred. No. 6.4e+03
Live 0; Mismatches 0
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EXPR

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Title:
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12
1 CGTTCCTCTTCC 1:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| | ::::: | 12 12 12 12 | 12 12 12 | 12 12 12 12 12 12 12 12 12 12 12 12 12 1 | Score |
| 91.7 91.7 91.7 | 91.7 91.7 91.7 | 100.0 | 100.0 | 100.0 100.0 100.0 | Query Match |
| 18 18 | 16 18 | 30 32 32 | 25 25 25 30 | 12 20 20 25 25 | Query Match Length |
| 42 42 | 142 | 11 42 | 67 67 79 | 11 11 36 | DB |
| PCT-US02-25943-62885 US-10-227-565-25195 US-10-227-565-62885 | PCT-US02-25943-46617 US-10-227-565-46617 PCT-US02-25943-25195 | US-08-770-564A-2 US-08-521-634-17 PCT-US02-25943-62884 US-10-227-565-62884 | US-60-233-166-81691 US-60-233-620-45573 US-60-234-017-52883 US-60-353-987-396546 PCT-US97-23619-2 | PCT-US97-23619-4 US-08-770-564A-4 PCT-US97-23619-3 US-08-770-564A-3 US-09-954-427-81691 US-09-956-584-18655 | ID |
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RESULT 1
PCT-US97-23619-4
APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: SCOTELLA, JOHN R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 4, Application PC/TUS9723619
GENERAL INFORMATION:
APPLICANT:
                                                                                                                                                                  APPLICATION NUMBER: PCT/US
FILING DATE: Not yet assig
CLASSIFICATION:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/
FILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                             ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS'
SOFTWARE: Patentin Release #1.0, Version
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: Methods for Detecting and Inhibiting the TITLE OF INVENTION: RNA Component of Telomerase NUMBER OF SEQUENCES: 29 CORRESPONDENCE ADDRESS: ADDRESSE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California
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US-09-396-196G-95196

US-09-396-196G-9519937

US-09-396-196G-951993

US-09-396-196G-19937

US-09-366-196G-19937

US-09-366-196G-19937

US-09-3660-220-124402

US-09-3660-220-124407

US-09-3660-220-124417

US-09-3660-220-124417

US-09-564-427-35-992

US-09-954-427-756129

US-09-954-427-749911

US-09-954-427-149911

US-09-954-427-149912

US-09-954-427-291120

US-09-954-427-291120

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US-09-954-427-377727
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95195, A
95206, A
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95194, A
95195, A
95206, A
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124402
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 RESULT 3
PCT-US97-23619-3
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US-08-770-564A-4
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; LOCATION: 1..12
; OTHER INFORMATION: PCT-US97-23619-4
                                                                                                                                                                                        US-08-770-564A-4
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GENERAL INFORMATION:
APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott L.
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
                                                                                                                                                                                                                                                                                                                       COUNTRY: USA
ZIF: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002200US
TELEPHONE: 415-576-0200
TELEPHONE: 415-576-0200
                                                                                                                            Matches
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                     LENGTH: 12 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
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TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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Conservative 0;
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ilarity 100.0%;
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Pred. No. 2e+04;
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Pred. No. 2e+04;
; Mismatches
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                                                                                                               Sequence 3, Application US/08770564A
GENERAL INFORMATION:
APPLICANT: Kealey, James T.
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                          APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION UNMERR: US 08
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
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MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
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PRIOR APPLICATION NUMBER: US 08/770,564
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APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                    NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PEATURE:
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CORRESPONDENCE ADDRESS:
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LOCATION: 1..20
OTHER INFORMATION:
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REGISTRATION NUMBER: 32,944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US 0: FILING DATE: 20-DEC-1996
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PUBLICATION INFORMATION:

DATARASE ACCESSION NUMBER: GenBank AA819663
US-09-954-427-81691
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                                                                                                                                                                                                           SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 81691 LENGTH: 25
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Best Local Similarity
Matches 12; Conserv
                                                              Matches
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Best Local S
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                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/09/954,427
CURRENT FILING DATE: 2001-09-17
NUMBER OF SEQ ID NOS: 420907
                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Mittmann
APPLICANT: Affymetrix,
                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: Methods of Genetic Analysis of the RatTITLE OF INVENTION: Genome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: 415-576-0300 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                           FILE REFERENCE: 3112
                                                                                                                                                                                            TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS
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CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: FILING DATE: 20-DEC CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOPTWARE: PatentIn Release #1.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Storella, John R. REGISTRATION NUMBER: 32,944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: TOWNSEND and TOWNSEND and CREW STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRANDEDNESS:
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                                                              12;
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                                                                             Similarity
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Pred. No. 2e+04;
                                                                            Score 12; DB 36
Pred. No. 2e+04;
                                                              Mismatches
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RESULT 6 US-09-956-584-18655/c ; Sequence 18655, Application US/09956584

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Gaps

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APPLICANT: Mittmann
APPLICANT: Affymetrix, Inc.
APPLICANT: Affymetrix, Inc.
FITLE OF INVENTION: Methods of Genetic Analysis of
FILE REFERENCE: 3112
FILE REFERENCE: 3112
CURRENT APPLICATION NUMBER: US/60/233,166
CURRENT FILING DATE: 2000-10-24
NUMBER OF SEQ ID NOS: 420907
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 81591
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; TYPE: DNA
; CRGANISM: Rattus norvegicus
; PUBLICATION INFORMATION:
; DATHARASE ACCESSION NUMBER: GenBank AA819663
US-60-233-166-81691
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CURRENT FILING DATE: 2001-09-19

PRIOR APPLICATION NUMBER: 60/234,017

PRIOR FILING DATE: 2000-09-20

NUMBER OF SEQ ID NOS: 605887

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 1855

LENGTH: 25
                                                                                                                                                                                                                                                               Sequence 45573, App
GENERAL INFORMATION
                                                                      CURRENT APPLICATION NUMBER: US/60/233,620
CURRENT FILING DATE: 2000-10-24
NUMBER OF SEQ ID NOS: 131820
SOFTWARE: FRRESEQ for Windows Version 4.0
SEQ ID NO 45573
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local
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Best Local !
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-09-956-584-18655
                                                                                                                                                                           APPLICANT: Mittmann
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
TITLE OF INVENTION: Arabidopsis thaliana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Mitchman, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Mus Musculus
FILE REFERENCE: 3115.1
TYPE: DNA
ORGANISM: Arabidopsis thalians
UBLICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                18 CGTTCCTCTTCC 7
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Similarity 100.0%; Pred. No.
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Similarity 100.0%;
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Pred. No.
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; ORGANISM: Mus musculus
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank U41285
US-60-234-017-52883
                                                     RESULT 11
PCT-US97-23619-2
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US-60-353-987-396546/c
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US-60-234-017-52883/c
; Sequence 52883, Application US/60234017
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                                                                                                                                                                                                                                                                                     ; ORGANISM: Homo sapien 
US-60-353-987-396546
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Best Local S
Matches 12
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Best Local Similarity
Matches 12; Conserv
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APPLICANT: Affymetrix, I
TITLE OF INVENTION: Meth
TITLE OF INVENTION: MUSC
FILE REFERENCE: 3115
                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/60/353,987
CURRENT FILING DATE: 2002-02-01
NUMBER OF SEQ ID NOS: 997516
SOFTWARE Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 396546
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/60/234,017
CURRENT FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605887
SOFTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 52883
LENGTH: 25
                   Sequence 2, Application PC/TUS9723619 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 396546, Application US/60353987
GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-Ul33
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Best Local (
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12; Conserv
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Pred. No. 2e+04;
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Pred. No. 2e+04;
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OTHER INFORMATION:
PCT-US97-23619-2
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                                                                                                                                       Sequence 2, Application:
GENERAL INFORMATION:
APPLICANT: Kealey
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                               APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
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PRIOR APPLICATION DATA:
US 08/770,564
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ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 20-DEC-1996 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                    CORRESPONDENCE ADDRESS:
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   STREET:
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                    ADDRESSEE:
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E: TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        30 base pairs
                                                                                                                        Kealey, James T.
Pruzan, Ron
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Best Local (
                                                                                                                              SOFTWARE: Patentin Release #1.0, Vei
CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/08/521,634
FILING DATE: 31-AUG-1995
CLASSIFICATION 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/482,115
                                           FILING DATE: 7-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08
FILING DATE: 7-JUN-1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEPHONE: 415-576-020
TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew STREET: One Market Plaza, Steuart Tower,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, CURRENT APPLICATION DATA:
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LENGTH: 30 base pairs
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COMPUTER READABLE FORM:
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PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                IPPLICANT: Andrews, William
IITLE OF INVENTION: Mammalian Telomerase
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STATE:
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OPERATING SYSTEM: PC-DOS/MS-DOS
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            APPLICATION NUMBER: US 08/330,123 FILING DATE: 27-OCT-1994
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California
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Funk, Walter
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100.0%; Pred. No. 2e+04;
                                                                               US 08/472,802
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RESULT 15
US-10-227-565-62884/c
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PCT-US02-25943-62884/c
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INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 31 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
NOLECULE TYPE: DNA (oligonucleotide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 62894, Application PC/TUS0225943

Sequence 62894, Application PC/TUS0225943

Sequence 62894, Application PC/TUS0225943

SEQUENCE INFORMATION: Beaudomonas aeruginosa PA01, complete genome.

FILE OF INVENTION: Beaudomonas aeruginosa PA01, complete genome.

FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333

CURRENT APPLICATION UNMERR: PCT/US02/25943

CURRENT FILING DATE: 2002-08-27

NUMBER OF SEQ ID NOS: 64158

SOPTWARE: Proprietary

SEQ ID NO 62884

LENGTH: 32

TYPE: DNA

ORGANISM: Pseudomonas aeruginosa PA01, complete genome.

PEATURE:

FEATURE:

FOATION: (6132858)...(6132888)

OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 67367
                                                                                                                              Sequence 62844, Application US/10227565
GENERAL INFORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Desudomonas aeruginosa PA01, complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/227,565
CURRENT FILING DATE: 2002-08-26
NUMBER OF SEQ ID NOS: 64158
SOUTWARE: Proprietary
SEQ ID NO 62884
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Matches
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FILING DATE: 7-JUL-1994
ATTORNEY_AGENT INFORMATION:
NAME: Dunn, Tracy J.
REGISTRATION NUMBER: 34,587
REFERENCE/DOCKET NUMBER: 15389-0008:
TELECOMMUNICATION INFORMATION:
TELECHOMOLICATION INFORMATION:
TELECHOMOLICATION INFORMATION:
                                                   ORGANISM: Pseudomonas aeruginosa PA01, complete genome.
OCATION: (6132858)...(6132888)
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; OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 6736 US-10-227-565-62884
Query Match 100.
Best Local Similarity 100.
Matches 12; Conservative
100.0%; Score 12; DB 42; 100.0%; Pred. No. 2e+04; tive 0; Mismatches 0;
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Indels

Gaps

0

밁 22 CGTTCCTCTTCC 11 1 CGTTCCTCTTCC 12

Search completed: June 23, 2003, 16:08:17 Job time : 1006.55 secs

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Result
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Maximum DB seq length: 50
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2. /cgn2_6/ptodata/1/pna/US07

3. /cgn2_6/ptodata/1/pna/US07
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GENERAL INFORMATION:
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| B1647, B 96226, B 96226, B 96226, B 114611, B 101273, B 101273, B 101273, B 1012749, B 118249, B 1198249, B 198249, |
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ALIGNMENTS

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RESULT 1
US-09-954-445A-45573/c
; Sequence 45573, Application US/09954445A; GENERAL INFORMATION:
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; Sequence 396546, Application US/10355577
                 APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE 3121
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 396546
LENGTH: 25
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: 60/233,620
PRIOR FILING DATE: 2000-09-18
NUMBER OF SEQ ID NOS: 131820
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 45573
LENGTH: 25
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CURRENT APPLICATION NUMBER: US/09/954,445A
CURRENT FILING DATE: 2000-09-17
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TITLE OF INVENTION: Methods of Genetic Analysis of Arabidopsis Thaliana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Arabidopsis thaliana
ORGANISM: Homo sapien
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Pred. No. 6.1
0; Mismatches
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US-60-427-836-683575
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                                                                                                                                                                                                                                                                                                                                                      ; ORGANISM: Avian infectious bronchitis virus
US-10-303-778-7608
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US-60-427-836-683575
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GENERAL INFORMATION:
APPLICANT: XUE Med Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
TILE REFERENCE: 3527
CURRENT APPLICATION NUMBER: US/60/427,836
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 633575
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/10/303,778
CURRENT FILING DATE: 2002-11-26
NUMBER OF SEQ ID NOS: 17608
SOFTWARE: Patentin version 3.1
SEQ ID NO 7608
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 7608, Application US/10303778
GENERAL INFORMATION:
APPLICANT: ROSECTEAGENOMICS
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL
TITLE OF INVENTION: REGULATORY GENES AND USES THEREOF
FILE REFERENCE: 47416
                Sequence 7627, Application US/10303778
GENERAL INFORMATION:
APPLICANT: ROSettaGenomics
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL
TITLE OF INVENTION: REGULATORY GENES AND USES THEREOF
FILE REFERENCE: 47416
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CURRENT APPLICATION NUMBER: US/10/303,778
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Similarity 100.0%; Pred. No. 6.1e+03;
12; Conservative 0; Mismatches 0;
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100.0%; Pr
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; Pred. No. 2.1e+04;
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; NUMBER OF SEQ ID NOS: 17608
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7627
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-303-778-7627
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US-10-310-188-65996/c
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                                                                                                                                                                                  ; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-315-474-66
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US-10-315-474-66/c
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; ORGANISM: Homo sapiens
US-10-310-188-65996
                                                                                                           Query Match
Best Local S
Matches 11
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF G PROTEIN-COUPLED RECEPTOR 3 EXPRESSION
FILE REFERENCE: RTS-0338
CURRENT APPLICATION NUMBER: US/10/315,474
CURRENT FILING DATE: 2002-12-10
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 66
LENGTH: 20
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CURRENT FILING DATE: 2002-12-19
NUMBER OF SEQ ID NOS: 86841
SOFTWARE: PatentIn version 3.1
SEQ ID NO 65996
LENGTH: 18
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GENERAL INFORMATION:
APPLICANT: RosettaGemonics
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100.0%; Pred. No. 2.1e+04;
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APPLICANT: Mittmann et al.
APPLICANT: Affymetrix, Inc.
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of FILE REFERENCE: 3102.1
CURRENT APPLICATION NUMBER: US/09/660,222
CURRENT FILING DATE: 2000-09-12
PRIOR APPLICATION NUMBER: 60/164,973
PRIOR APPLICATION NUMBER: 60/164,973
PRIOR FILING DATE: 1999-11-11
NUMBER OF SEQ ID NOS: 140981
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 124402
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GENERAL INFORMATION:
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LENGTH: 20
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Best Local (
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ORGANISM: Homo Sapiens
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank X76717
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CURRENT FILING DATE: 2000-09-12
PRIOR APPLICATION NUMBER: 60/164,973
PRIOR FILING DATE: 1999-11-11
NUMBER OF SEQ ID NOS: 140981
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TITLE OF INVENTION: Methods of Genetic Analysis of Human
FILE REFERENCE: 3102.1
FILE REFERENCE: 3102.1
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CURRENT APPLICATION NUMBER: US/10/315,474
CURRENT FILING DATE: 2002-12-10
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TITLE OF INVENTION: MODULATION OF G PROTEIN-COUPLED RECEPTOR 3 EXPRESSION
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APPLICANT: Kenneth W. Dol
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ORGANISM: H. sapiens
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Conservative (
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Pred. No. 2.1e+(
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APPLICANT: Mittmann et al.
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of Human
FILE REFERENCE: 3102.1
CURRENT APPLICATION NUMBER: US/09/660,222
CURRENT FILING DATE: 2000-09-12
CURRENT FILING DATE: 1999-11-11
NUMBER OF SEQ ID NOS: 140981
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 124403
                                                                                                                                 CURRENT APPLICATION NUMBER: US/09/660,222
CURRENT FILING DATE: 2000-09-12
PRIOR APPLICATION NUMBER: 60/164,973
PRIOR FILING DATE: 1999-11-11
NUMBER OF SEQ ID NOS: 140981
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 124417
LENGTH: 25
TYPE: DNA
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GENERAL INFORMATION:
APPLICANT: Mittmann et al.
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3102.1
                                     Query Match
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                                                                                 ORGANISM: Homo Sapiens
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank X76717
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DATABASE ACCESSION NUMBER: GenBank X76717
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PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank X76717
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TYPE: DNA
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     Local Similarity 100 tes 11; Conservative
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100.0%;
   91.7%; Score 11; DB 6;
100.0%; Pred. No. 2e+04;
cive 0; Mismatches
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US-09-54-445A-7403/c
US-09-54-445A-7403/c
Sequence 7403, Application US/09954445A
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US-09-953-570-131778/c
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US-09-953-570-22842/c
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; ORGANISM: Saccharomyces Cerevisiae
US-09-953-570-131778
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CURRENT FILING DATE: 2001-09-13
PRIOR APPLICATION NUMBER: 60/232,638
PRIOR FILING DATE: 2000-09-14
NUMBER OF SEQ ID NOS: 138410
SOFTWARE: FasteEQ for Windows Version 4.0
SEQ ID NO 111778
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GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Yeast
FILE REFERENCE: 3110.1
CURRENT APPLICATION NUMBER: US/09/953,570
CURRENT FILING DATE: 2001-09-13
PRIOR APPLICATION NUMBER: 60/232,638
PRIOR APPLICATION NUMBER: 60/232,638
PRIOR PILING DATE: 2000-09-14
NUMBER OF SEQ ID NOS: 139410
SOFTWARE: FastSEQ for Windows Version 4.0
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SEQ ID NO 22842
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Best Local Similarity 100.0%; Pred. No.
Matches 11; Conservative 0; Mismatc
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GENERAL INFORMATION
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TITLE OF INVENTION: Methods of Genetic Analysis of Yeast
FILE REFERENCE: 3110.1
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N92455 zb63h01.81
BH850686 SALK_0716
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| 640418 1 | BH640418 | 17 | 42 | 5 | 9 | 38 |
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| AZ484545 1M0311M04 | AZ484545 | 17 | 41 | 5 | 9 | 36 |
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| 970 | AZ597058 | 17 | 40 | 5 | 9 | 34 |
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| 9952 | AZ949952 | 17 | 38 | 5 | 9 | |
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| 5706 | AZ625706 | 17 | 37 | ŗ | 9 | |
| 17 | AZ474017 | 17 | 37 | 5 | 9 | |
| 63841 | BJ063841 | 13 | 37 | | 9 | |
| 816 z | AA625816 | 9 | 37 | 5 | 9 | 26 |
| 9 2M0105K1 | 7 | 17 | 36 | 5 | 9 | |
| 91 | AZ581591 | 17 | 35 | 75.0 | 9 | |
| _ | AI537243 | 9 | 34 | 5 | 9 | 23 |
| _ | BH847691 | 17 | 32 | 5 | 9 | 22 |
| ~ | AZ792853 | 17 | 32 | 5 | 9 | 21 |
| 7 1M0395F0 | AZ587757 | 17 | 32 | 5 | 9 | 20 |
| 5005 | AZ465005 | 17 | 31 | <u>ب</u> | 9 | 19 |
| 4126 1M042301 | AZ604126 | 17 | 30 | 5 | 9 | 18 |
| 27759 | AZ427759 | 17 | 30 | 5 | 9 | 17 |
| 73330 | BG673330 | 12 | 28 | 75.0 | 9 | 16 |
| 99780 2M005 | AZ799780 | 17 | 26 | 5 | 9 | 15 |
| 6812 1M0495B2 | AZ636812 | 17 | 19 | 5 | 9 | 14 |
| 702 AU10270 | AU102702 | 9 | 50 | ω | 10 | 13 |
| 2 ok44b09 | AA902962 | 9 | 49 | ω · | 10 | 12 |
| AA052407 mb70h06.r | AA052407 | 9 | .46 | ω. | 10 | 11 |
| 0358 2M0109M0 | AZ830358 | 17 | 43 | ω. | 10 | 10 |
| 9 1M0195N2 | 4 | 17 | 43 | 83.3 | 10 | 9 |
| 974736 | 9 | 17 | 38 | 83.3 | 10 | 8 |
| 0 1M0155P1 | AZ392980 | 17 | 37 | | 10 | 7 |

source Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

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10 (base High quality sequence stop: 46.
Location/Qualifiers found through the I.M.A.G.E. Consort http://image.llnl.gov Plate: LLAM11479 row: e column: 04 Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Life Technologies, Inc.
Tissue Procurement: Life Technologies, Inc.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.B. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC Clone distribution information can BI488502 BI488502.1 GI:15327730 BI488502 46 603021011F1 NIH_MGC_114 Homo mRNA sequence. Consortium/LLNL at: bp mRNA linear EST 28-AUG-2001 sapiens cDNA clone IMAGE:5191659 5',

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Direct Submission

Submitted (17-UN-2002) Weisshaar B., Max-Planck-Institut fuer Submitted (17-UN-2002) Weisshaar B., Max-Planck-Institut fuer Zuechtungsforschung, Carl-von-Linne-Weg 10, Koeln, 50829, Germany This sequence is recovered from the left border of the TDNA. It indicates an insertion within the locus defined by clone f587. The sequences are generated at the MPI for Plant Breeding Research in the context of the GABI-Kat project. GABI-Kat is part of the German Plant Genomics program designated (GABI'. Information on line Plant Genomics program designated (GABI'. Information on line availability can be found at:
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AL767395.1 GI:21520514
GSS
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11; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A pipeline for automated high-throughput generation of FSTs (flanking sequence tags) from Arabidopsis thaliana T-DNA transformed lines
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Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Spermatophyta; Magnoliophyta; eudicotyledons; care eudicots;
Rosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
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Arabidopsis thaliana T-DNA flanking genomic survey sequence.
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A new Arabidopsis thaliana T-DNA muttagenised population (GABI-Kat)
for flanking sequence tag based reverse genetics
                                                                                                                                                                                                                                   http://www.mpiz-koeln.mpg.de/GABI-Kat/.
Location/Qualifiers
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/db_xref="taxon:9606"
/clone="IMAGE:5191659"
/clone_lb="NIH MGC_114"
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note="Organ: brain; Vector: pCMV-SPORT6; Site 1: NotI; Site 2: EcoRV (destroyed); RNA source anonymous pool of 6 male brains, age range 23-27 yo. Library is oligo-dr primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.5 kb, insert size range 1.3 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 019. Note: this is a NIH MCC Library.
/clone_lib="Arabidopsis thaliana T-DNA insertion lines" /note="PCR was performed on DNA from Arabidopsis thalian plants (T1) which were transformed with the T-DNA from vector pAC161. The lines contain one or more T-DNA
                                                                                                         /strain="Columbia 0"
/db_xref="taxon:3702"
/clone="GK-219A03-014202"
                                                                                                                                                                                    organism="Arabidopsis thaliana"
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se GK-219A03-014202,
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ACCESSION VERSION KEYWORDS SOURCE ORGANISM

JOURNAL REFERENCE

AUTHORS TITLE JOURNAL

COMMENT

1

JOURNAL REFERENCE

AUTHORS TITLE

REFERENCE AUTHORS

TITLE

RESULT 2 AL767395

DEFINITION

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Matches

BASE COUNT ORIGIN

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Contact: Robert B. William Contact: Robert B. William Control of Utah University of Utah Rm. 308, Biomedical
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1 (Dases 1 to 26)

Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Menen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D., Weiss,R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AZ942099 26 bp DN 2M0202C09F Mouse 10kb plasmid UUGC2M Clone UUGC2M0202C09 F, DNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Email: ddunn@genetics.utah.edu
Ingert Length: 10000 Std Brror:
Plate: 0202 row: C column: 09
Seq primer: CGTTGTAAAACGACGGCCAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          plasmid inserts
Unpublished (2000)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Tel: 801 585 5606
Fax: 801 585 7177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             house mouse.
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ilarity 100.0%;
Conservative
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Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Biomedical Polymers Research Bldg.,
                                                                                                                                                                                                                                                                                                            /lab_host="E. coli strain XL10-Gold, T1-resistant, F-"
/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (female) was obtained from the Jackson
                                                                                                                                                                                                                                                                                                                                                                                                  /clone_lib="Mouse 10kb plasmid UUGC2M library"
/sex="Female"
                                                                                                                                                                                                                                                                                                                                                                                                                                                   /organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0202C09"
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; Pred. No. 2.7e+04; 
0; Mismatches 0; Indels
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AZ630179
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mouse
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Erro
Plate: 0483 row: B column: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg.,
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AZ630179.1 GI:11752369
GSS.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Tel: 801 585 5606
Fax: 801 585 7177
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Contact: Robert B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Unpublished (2000)
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(http://www.jax.org/resources/documents/dhares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-secd for a 9.5 to 10.5 kb range using preparative agazose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
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                                                                                                                                                                                                                                                        /lab_host="E. Coli strain XL10-Gold, T1-resistant, F
/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jack
                                                                                                                                                                                                                                       Laboratory Mouse DNA Resource
                                                                                                                                                                                                                                                                                                                                                                              /db_xref="taxon:10090"
/clone="UUGC1M0483B10"
                                                                                                                                                                                                                                                                                                                                                                                                                            organism="Mus musculus"
/strain="C57BL/6J"
                                                                                                                                                                                                                                                                                                                                /sex="Male"
                                                                                                                                                                                                                                                                                                                                                      clone_lib="Mouse 10kb plasmid UUGC1M library"
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Pred. No. 7.7e+04;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10;
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zb63h01.81 Soares fetal_lung_NbHL19W Homo sapiens cDNA clone
IMAGE:308305 3' similar to gb:X06323 cds1 MITOCHONDRIAL 60S
RIBOSOMAL PROTEIN L3 (HUMAN);, mRNA Sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Email: est@watson.wustl.edu
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Trace considered overall poor quality
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Fax: 314 286 1810
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 28)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Washington University School of Medicine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Contact: Wilson RK
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double-stranded cDNA was size selected, ligated to Eco RI adapters (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of a modified pT7T3 vector (Pharmacia). Library went through one round of normalization to a Cot = 5. Library constructed by Bento Soares and M.Fatima Bonaldo. This library was constructed
                                                                                                                                         /organism="Homo sapiens"
/db_xref="GDB:1251718"
/db_xref="taxon:9606"
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Pred. No. 7.7e+04;
0; Mismatches 0;
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same fetus as the fetal heart library,

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     AZ392980 37 bp DNA linear GSS 03-OCT-2000 1M0155P13R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Alonso J.M., Leisse, T.J., Barajas, P., Chen, H., Cheuk, R., Gadrinab, C., Jeske, A., Karnes, M., Kim, C.J., Parker, H., Prednis, L., Shinn, J., Zimmerman, J. and Ecker, J.R.
A Sequence-Indexed Library of Insertion Mutations in the Arabidopsis Genome
Unpublished (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       BH850686 33 bp DNA linear GSS 13-JUN-2002 SALK 071692.32.90.x Arabidopsis thaliana TDNA insertion lines Arabidopsis thaliana genomic clone SALK 071692.32.90.x, DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Class: TDNA tagged.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Salk Institute Genomic Analysis Laboratory (SIGnAL) The Salk Institute for Biological Studies 10010 N. Torrey Pines Road, La Jolla, CA 92037, USA Tel: 858 453 4100 x1752 Fax: 858 558 6379
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                                                                                                                                                                                                                                                                                                                                                          /organism="Arabidopsis thaliana"
/strain="Columbia 0"
/db xref="taxon:3702"
/clone="SALK 071692.32.90.x"
/clone="ib="Arabidopsis thaliana TDNA insertion lines"
/cote="FCR was performed on Arabidopsis thaliana lines each of which contains one or more TDNA insertion elements. The resultant fragment for each line was directly sequenced to determine the genomic sequence at the site of insertion. Details of the protocols used can be found at http://signal.salk.edu/tdna_protocols.html"
5 a 16 c 1 g 11 t
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Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
     AZ974736 38 bp DNA linear GSS 27-APR-2001 2M0249A03R Mouse 10kb plasmid UUGC2M library Mus musculus genomic .
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AZ392980
AZ392980.1 GI:10508052
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Email: ddunn@genetics.utah.edu
Insert Length: 10000 Etd Error: 0.00
Plate: 0155 row: P column: 13
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Tel: 801 585 5606
Fax: 801 585 7177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         plasmid inserts
Unpublished (2000)
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                                                                                                                                                                                                                                                                                                                                                       http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymuclectide kinase. Adaptor oligonuclectides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gil4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli X110-Gold (Stratagene) cells and selected for ampicilin resistance."
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/note="Vector: PW942nv; Purified genomic DNA from M.
musculus C57BL/67 (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
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/clone="UUGC1M0155P13"
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/strain="C57BL/6J"
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AZ419099 . 43 bp DNA linear GSS 03-OCT-200 1M0195N23F Mouse 10kb plasmid UUGCIM library Mus musculus genomic
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Insert Length: 10000 Std Erro
Plate: 0249 row: A column: 03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Tel: 801 585 5606
Fax: 801 585 7177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Contact: Robert B. University of Utah University of Utah
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Seq primer: CACACAGGAAACAGCTATGACC Class: plasmid ends
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AZ974736
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/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (female) was obtained from the Jackson
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/clone="UUGC2M0249A03"
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                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                      83.3%; Score 10; DB 17; Length 38; 100.0%; Pred. No. 8.4e+04;
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Mouse whole genome scaffolding with paired end reads from 10kb
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Class: plasmid ends
High quality sequence stop: 43.
Location/Qualifiers
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Insert Length: 10000 Std Error:
Plate: 0195 row: N column: 23
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AZ419099.1 GI:10543112
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Fax: 801 585 7177
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /lab_host="B. Coli strain XL10-Gold, T1-resistant, F-" /note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson
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/clone_lib="Mouse 10kb plasmid UUGC1M library"
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                                                                                     100.0%; **
                                                                                                                 83.3%; Score 10; DB 17; 100.0%; Pred. No. 8.7e+04;
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AZ830358 43 bp DNA linear GSS 20-FEB-200 200109004R Mouse 10kb plasmid UUGCIM library Mus musculus genomic

GSS 20-FEB-2001

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            AA052407 46 bp mRNA linear EST 13-SEP-1996 mb70h06.rl Soares mouse p3NMF19.5 Mus musculus cDNA clone
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Insert Length: 10000 Std Error: 0.00
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Class: plasmid ends
High quality sequence stop: 43.
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University of Utah Genome Center
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Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
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AZ830358.1 GI:13000266
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Fax: 801 585 7177
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/note="Vector: PWP42nV; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
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/clone="UUGC2M0109M04"
/clone_lib="Mouse 10kb_plasmid_UUGC1M_library"
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Pred. No. 8.7e+04;
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10; Conserv
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AA902962

ABP Lei2 Home sapiens cDNA clinear EST 08-APR-1998 cOv44b09.81 NCI_CGAP_Lei2 Home sapiens cDNA clinne IMAGE:1516793 3' similar to TR:004118 Q04118 SALIVARY PROLINE-RICH GLYCOPROTEIN G1 PRECURSOR: ; mRNA sequence.
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23 GTTCCTCTTC 14
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Bukaryota; Metazoa; Chordata; Sciurognathi; Muridae; Murinae; Mus.

1 (bases 1 to 46)

1 (bases 1 to 46)

Marra, M., Hiller, L., Allen, M., Bowles, M., Dietrich, N., Dubuque, T.,

Geisel, S., Kucaba, T., Lacy, M., Le, M., Martin, J., Morris, M.,

Schellenberg, K., Steptoe, M., Tan, F., Underwood, K., Moore, B.,

Theising, B., Wylie, T., Lennon, G., Soares, B., Wilson, R. and

Waterston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IMAGE:334811 5' similar to SW:IN35_HUMAN P80217 INTERFERON-INDUCED 35 KD PROTEIN ;, mRNA sequence.
AA052407
AA052407.1 GI:1543262
EST.
                                                                                                2 GTTCCTCTTC 11
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This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Tel: 314 286 1800
Fax: 314 286 1810
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Contact: Marra M/Mouse EST Project
Contact: Mouse EST Project
WashUn-HMI Mouse EST Project
Washington University School of MedicineP
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Waterston,R.
The WashU-HHMI Mouse EST Project
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Location/Qualifiers
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/db_xref="taxon:10090"
/db_xref="taxon:10090"
/db_xref="taxon:10090"
/dlone="InMgE:334811"
/clone=lib="Soares mouse p3NMF19.5"
/dev_stage="19.5 dpc total fetus"
/lab_host="Deltone liber total fetus"
/lab_host="Deltone lampicillin resistant)"
/lab_host="Deltone lampicillin resistant)
/lab_host=
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                                                                                                            83.3%; buc.
100.0%; Pred. No.
ive 0; Mismatches
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MEDLINE
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Contact: ruckey.

Department of Virology
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano
,S. Construction and characterization of a full length-enriched and
,S. construction and characterization of a full length-enriched and
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                                                                                                                                                                                                                     Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Ha, H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S.

Diverse transcriptional initiation revealed by fine, large-scale
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AU102702 Sugano Homo sapiens
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National Cancer Institute, Cancer Genome Anatomy
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 49)
                                                                                                                                                                                      mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2)
                                                                                                                                                                                                                                                                                           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 50)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Contact: Robert Strausberg, Ph.D.
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/clone_lib="NCI_CGAP_Lei2"
/tissue_type="leiomyosarcoma"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Seq primer: CACACAGGAAACAGCTATGACC Class: plasmid ends
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Erry
Plate: 0495 row: B column: 2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Contact: Robert B. University of Utah University of Utah
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,B., Pedersen,T., Rei
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1M0495B21R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0495B21 R, DNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Unpublished (2000)
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                house mouse.
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(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative
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/db_xref="taxon:9606"
/clone="L6x08541"
/clone=lib="Sugano Homo sapiens cDNA library"
/note="Differential display comparison of untreated and dimethylfumarate treated U937 cells"
a 12 c 18 g 7 t
                                                                                                                                                                                                                /note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
                                                                                                                                                                                          Laboratory Mouse DNA Resource
                                                                                                                                                                                                                                    /lab host="E. Coli strain XL10-Gold, T1-resistant, F
//ab host="E. Coli strain XL10-Gold, T1-resistant, F
                                                                                                                                                                                                                                                                                                                     /db_xref="taxon:10090"
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                                                                                                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
                                                                                                                                                                                                                                                                           sex="Male"
                                                                                                                                                                                                                                                                                                 clone_lib="Mouse 10kb plasmid UUGC1M library"
                                                                                                                                                                                                                                                                                                                                                                 strain="C57BL/6J"
                                                                                                                                                                                                                                                                                                                                                                                     organism="Mus musculus"
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100.0%;
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Pred. No.
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Matches 9; Conserv
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalla, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.

1 (bases 1 to 26)
Dunn, D., Aoyagi, A., Baxber, M., Beacorn, T., Duval, B., Hamil, C.,
Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly,
M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.
Mouse whole genome scaffolding with paired end reads from 10kb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunnegenetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0057 row: K column: 20
Seq primer: GGTTGTAAACGACGGCCAGT
Class: plasmid ends
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26 bp DNA linear GSS 16-FEB-200200057K20F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC2M0057K20 F, DNA sequence.
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Unpublished (2000)
Contact: Robert B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AZ799780.1 GI:12951241
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quality sequence stop: 26.
Location/Qualifiers
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/note="vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymerase and take the sheared to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative
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                                                                                                                                                                                                                                                                                                                                                                               /organism="Mus musculus"
/strain="C57BL/6J"
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/clone="UUGC2M0057K20"
/clone_lib="Mouse_10kb_plasmid_UUGClM_library"
/sex="Male"
                                                                                                                                                                                                                                                                                                                     lab_host="B. Coli strain XL10-Gold, T1-resistant, F
note="Vector: PWD42nv; Purified genomic DNA from M.
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REFERENCE

AUTHORS

TITLE

VERSION ACCESSION

KEYWORDS

FEATURES

of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XLIO-Gold (Stratagene) cells and selected for ampicillin resistance." 13 ი 1 9

Query Match
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Search completed: June 23, 2003, 10:10:17 Job time: 620.847 secs

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Maximum Match 100%
Listing first 45 summaries
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     Issued Patents NA:*
1: /cgn2_6/ptodata/2,
2: /cgn2_6/ptodata/2,
3: /cgn2_6/ptodata/2,
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/cgn2_6/ptodata/2/ina/5B_COMB.seq:*
/cgn2_6/ptodata/2/ina/6A_COMB.seq:*
/cgn2_6/ptodata/2/ina/6B_COMB.seq:*
/cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
/cgn2_6/ptodata/2/ina/backfiles1.seq:*
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  US-08-770-565-4
US-08-770-565-3
US-08-833-377-7
US-08-031-143B-6
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US-08-031-143B-6
US-08-031-143B-6
US-08-363-240A-690
US-08-363-240A-1209
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US-08-211-202-11
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US-08-211-202-11
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US-08-211-202-11
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Sequence 33, Appl
Sequence 14, Appl
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| tch al Similarity 12; Conser | T 1 -770-565-4 -170-565-4 NERAL INFORMATION: APPLICANT: Kim, Nam APPLICANT: Kim, Van APPLICANT: Wu, Fred APPLICANT: Wu, Fred APPLICANT: Weinrich TITLE OF INVENTION: NUMBER OF SEQUENCES: CORRESPONDENCE ADDRES STREET: TWO Embad COUNTRY: Galifornia COUNTRY: USA ZIP: Galifornia COUNTRY: USA ZIP: 9411-3834 COMPUTER READABLE FORMED COMPUTER: IBM PC OPERATION NUMBER FILING DATE: 20-1 CLASSIFICATION NUMBER FILING DATE: 20-5 CLASSIFICATION NUMBER FILING DATE: 20-5 CLASSIFICATION NUMBER FILING DATE: 20-5 CLASSIFICATION NUMBER FILIFAX: 415-57 TELEFAX: 415-57 TEL | | 10 | 100 | 10 | 1000 | 10010 | 10.4 |
| ilar Con | Application Application Application 8446723 Seaffer Application Commarion Number 100 May 100 M | | 83. | 88. | 888 | 8888 | 38383 | 886. |
| vat | T1 171 1770-565-4 ent No. 5846723 ent No. 5846723 APPLICANT: Kim, Nam Woo APPLICANT: Kim, Vam Woo APPLICANT: Kim, Vam Woo APPLICANT: Kealey, James T. APPLICANT: Wu, Fred APPLICANT: Weinrich, Scott L. TITLE OF INVENTION: Methods f TITLE OF INVENTION: Telomeras NUMBER OF SEQUENCES: 26 CORRESPONDENCE ADDRESS: ADDRESSES: TOWNSEND and TOW STREET: Two Embarcadero Cen CITY: San Francisco STATE: California COUNTRY: USA ZIP: 94111-3834 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER IBM PC compatible OPERATING SYSTEM: PC-DOS/MS SOFTWARE: Patentin Release CURRENT APPLICATION NUMBER: US/08/7 FILING DATE: 20-DEC-196 CLASSIFICATION: 435 APPLICATION HOMBER: US/08/7 FILING DATE: 20-DEC-196 CLASSIFICATION NUMBER: US/08/7 FILEFRONE: Storella, John R. REGISTRATION NUMBER: 32,944 REFERENCE/DOCKET NUMBER: 07-0300 TELEFRONE: 415-576-0300 TELEFRONE: CHARACTERISTICS: LENGTH: 12 base pairs TYPE: mucleic acid STRANDEDNESS: single TOPOLOGY: Linear MOLECULE TYPE: DNA -770-565-4 | | | | | | | |
| 100. 100. ive | on US/08770565 am Woo ed ch, Scott L. Ronald ch, Scott L. Ronald ch, Scott L. Rethods for Telomerase S: 26 SEND and TOWNS arcadero Cente isco ia | | 22 | 21 | 200 | 17 | 17 | 145 147 |
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| Sc Pr | TOWNSEND Center, ble was #1.0, 56 se #1.0, 56 se #1.0, 56 on: | ⊳ | 1 1 | US-0 | US-09- | US-08- US-09- | US-08- | 1 1 1 |
| Score 12; D Pred. No. 2. Mismatches | 565 for Det se e se #1.0, #1.389-0 | ALIGNMENTS | 08-48 | 09-20 | -09-49 | 9-5-6 | 08-58 | |
| 12; No: | Detecting NND and CR , 8th Flo 0, Versio 565 | MEN | 488-14 611-15 | 949-3 | 90-6 | 4-50 | 34-0 | 11-6 |
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ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 0153
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-2200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: 415-576-0300
NFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE:
-770-565-3
                                                                                                                                                                                                    ent No.
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PPLICANT: Weinrich, Scott L.
ITLE OF INVENTION: Methods for Detecting the RNA Component of
ITLE OF INVENTION: Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION
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                                                                                                                                                                                                                     Application US/08833377
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Wu, Fred
Kealey, James T.
Pruzan, Ronald
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nsend and Townsend and Crew LLP
                                                 Purified Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 12;
100.0%; Pred. No. 2
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

US/08/770,565

COUNTRY: USA ZIP: 94111-3834

TY: San Francisco

CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor

LE OF INVENTION: Methods for Detecting the RNA Component of INVENTION: Telomerase

Kealey, James T. Pruzan, Ronald Weinrich, Scott

Kim, Nam Woo w

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Best Local S
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/510,736
FILING DATE: 04-AUG-1995
ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REGISTRATION NUMBER: 32,944
REFERENCE DOCKET NUMBER: 01
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
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CITY: San Francis
STATE: California
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INFORMATION:
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                                                                                                          Application US/08770565
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Pred. No.
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US-08-770-565-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: LEONARD, V
APPLICANT: MCBRIDE, C
TITLE OF INVENTION: 7
TITLE OF INVENTION: 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        tent No.
                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORD PERFECT # 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/031,143B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
TYPE: nucleic acid
               HYPOTHETICAL: NAME OF ANTI-SENSE: YES ORIGINAL SOURCE:
                                                              MOLECULE TYPE:
DESCRIPTION:
                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 20
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MEDIUM TYPE: FLOPPY DISK
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TELECOMMUNICATION INFORMATION:
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NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
                                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION:
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Local Similarity 100.0%; Pred. No. 2.7e+0;
hes 12; Conservative 0; Mismatches (
                                                                                                               STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: FILING DATE: 12-MAI CLASSIFICATION: 43
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ORGANISM: HUMAN
                                                                                                                                                                                                               TELEFAX:
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NEW YORK
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                                                                                                                                NUCLEIC ACID
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                                                                OLIGONUCLEOTIDE
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                                                                                                                 SINGLE
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                                                                                               ; ORIGINAL SOURCE:
; ORGANISM: HUMAN
; INDIVIDUAL ISOLATE:
US-08-031-143B-33
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                                                Matches
                                                           Query Match
Best Local S
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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APPLICANT: LEONAR
APPLICANT: MCBRID
                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: WORD PERFECT
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
                                                                                                                                                          MOLECULE TYPE:
DESCRIPTION: OI
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: WILLIAM S. FEILER
REGISTRATION NUMBER: 26,
                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: 20
TELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
                                                                                                                                                ANTI-SENSE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION:
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                                                                                                                                                                                                                                                                             TELEPHONE: 212-751-6849
                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC
OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 1: CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: USA
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                                                                                                                                                                                                              STRANDEDNESS:
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                                                                                                                                                                                                                         TYPE: NUCLEIC ACID
                                                                                                                                                                                                                                       ENGTH:
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                     2 GTTCCTCTTCC 12
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                                                            Similarity
GTTCCTCTTCC 13
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                                                Conservative
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                                                                                                                                                                                                   UNKNOWN
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SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EONARD, WARREN J.; NOGUCHI, MASAYUKI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MORGAN & FINNEGAN
                                                                                                                                                                                                                                                                                                       212-758-4800
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                                                           91.7%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            METHODS FOR DIAGNOSIS AND
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                                                            Score 11;
Pred. No.
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Pred. No.
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                                                           DB 1; Le 9.1e+02;
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                                                                      Length 20;
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                                               Indels
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RESULT 7 US-08-833-377-14

; Sequence 14,

Application US/08833377

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; Sequence 6, Application PC/TUS9402891
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: -
LOCATION: 1..20
OTHER INFORMATION:
US-08-833-377-14
                                                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                              Query Match
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ZIP: 9411-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATEN:
COMPUTER: IBM PC COMPATEN:
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Ve.
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/833,377
FILING DATE: 04-APP-1997
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (415) 576-030 FORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 20 base pairs
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APPLICATION WIMBER: US 08/510,736

FILING DATE: 04-AUG-1995

ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 01
ELECOMMUNICATION INFORMATION:
TELEPHONE: (4.15) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: modified_base
LOCATION: 1
OTHER INFORMATION: /mod
OTHER INFORMATION: /not
                                                                                                                                                                                                                                                                                                                           Local
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OF INVENTION: Purif
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      nucleic acid
DEDNESS: single
                                                                                                                                                                                                                                                                                                                        Similarity
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                                                                                                                                                                                                                                                                  GTTCCTCTTCC 12
                                                                                                                                                                                                                                GTTCCTCTTCC 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     California
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Atkinson III,
                                                                         THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH
OFFICE OF TECHNOLOGY TRANSFER, NATIONAL INSTITUTES OF HEALTH, BOX OTT, BETHESDA JENTION: METHODS FOR DIAGNOSIS AND TREA
                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Lichtsteiner, St
Vasserot, Alain
                                                              SERVICES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Townsend and Townsend and Crew LLP o Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                           91.7%;
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                                                                                                                                                                                                                                                                                                                                                                                                  /note= "biotinylated Oligo 14ab"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /mod_base= OTHER
/note= "N = 5'.biotinylated cytidine"
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  BETHESDA, MARYLAND 20892 USA
AND TREATMENT OF
                                                                                                                                                                                                                                                                                                                                          Length 20
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                                                                             AND HUMAN
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PCT-US94-02891-6
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APPLICATION NUMBER: 08/031,143
FILING DATE: 12-MAR-1993
APPLICATION NUMBER: 08/121,435
FILING DATE: 14-SEPT-1993
ATTORNEY/AGENT INFORMATION:
NAME: WILLIAM S. FEILER
                                                                                                                                                                                                               equence 33, Application PC/TUS9402891 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HYPOTHETICAL: NO ANTI-SENSE; YES ORIGINAL SOURCE: ORGANISM; HUMAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: WILLIAM S. FEILER
REGISTRATION NUMBER: 26,728
REFERENCE/DOCKET NUMBER: 20:
TELECOMMUNICATION: INFORMATION:
TELEPHONE: 212-758-4800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORD PERFECT # 5.1
CURRENT APPLICATION DATA:
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NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
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                                                             CORRESPONDENCE ADDRESS:
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CITY: NEW YORK
STATE: NEW YORK
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DESCRIPTION:
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                                              DDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PE: NUCLEIC ACID
RANDEDNESS: SINGLE
POLOGY: UNKNOWN
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                                                                                                                                                                                                                                                                                                                                                                                ch 91.7%; S
1 Similarity 100.0%;
11; Conservative 0;
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           NEW YORK
NEW YORK
                                                                                                                                                                                THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN
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                                                                                                                              OFFICE OF TECHNOLOGY TRANSFER, INSTITUTES OF HEALTH, BOX OTT,
                                              MORGAN & FINNEGAN
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                                                                                                                 ES OF HEALTH, BOX OTT, BETHESDA, MARYLAND 20892 USA METHODS FOR DIAGNOSIS AND TREATMENT OF
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0; Mismatches
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0. 9.1e+02;
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OMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATI

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APPLICATION NUMBER: 08/121,435
APPLICATION NUMBER: 08/121,435
APPLICATION NUMBER: 14-SEPT-1993
ATTORNEY/AGENT INFORMATION:
NAME: WILLIAM S. FEILER
NAME: WILLIAM S. FEILER
                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
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INFORMATION FOR SEQ ID NO:
                                                               AUD.
STREET: Suite ...
STREET: Suite ...
CITY: Los Angeles
CITY: California
""TE: California
                                                                                                                                                                                     TITLE OF INVENTION: ITTLE OF INVENTION: ITTLE OF INVENTION: ITTLE OF INVENTION: OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HYPOTHETICAL: NO ANTI-SENSE: NO ORIGINAL SOURCE: ORGANISM: HUMA
                                                                                                                                                                                                                                                        APPLICANT: Company of the APPLICANT: McSwiggen, January McSwiggen, Charles Michael Michael
              COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE:
DESCRIPTION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORD PERFECT # 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                   CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS: SINC
TOPOLOGY: UNKNOWN
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REFERENCE/DOCKET NUMBER: 2026-4061
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COMPUTER:
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                                                              90071
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                                                                                                                                       : Lyon & Lyon
633 West Fifth Street
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IBM Compatible
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                                                                                                                                                                                        PROGRESSION AND REGRESSION OF VASCULAR DISEASES
                                                                                                                                                                                                                                     METHOD AND REAGENT FOR PREVENTION, INHIBITION
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RESULT 11
US-08-363-240A-1209
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
ATTORNEY/AGENT INFORMATION:
NAME: WARDURY, Richard
REGISTRATION UNMBER: 32,327
REFERENCE/DOCKET NUMBER: 210/
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: WOR'D PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION UNBER: US/08/12
FILING DATE.
                                                                                            APPLICATION NUMBER: US/08/
FILING DATE: December 23,
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                   OPERATING SYSTEM: IBM P.C. SOFTWARE: Word Perfect 5.1 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELECOMMUNICATION INFORMATION: TELEPHONE: (213) 489-1600
TELEPAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: Lyon & Lyon
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                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                        STREET:
                                                                                                                                                                                                                                                                            STATE: C
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Local Similarity 58.3%;
les 7; Conservation
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
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                                                                                                                                                                                                                                                                  90071
                                                                                                                                                                                                                                                                                            Los Angeles
California
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                                                                                                                                                                                                                                                                                                                           Suite 4700
                                                                                                                                                                                                                                                                                                                                          633 West Fifth
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Bisgaier, Charles
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Pred. No. 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                      INHIBITION OF
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RESULT 13
US-08-211-202-16/c
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INFORMATION FOR SECUENCE C''
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LENGTH: 20
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Patent No. 6124133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Jennifer K. Taylor
APPLICANT: Lex M. Cowsert
TITLE OF INVENTION: ANTIGENSE MODULATION OF FRA-1 EXPRESSION
FILE REFERENCE: RTS-0105
CURRENT APPLICATION NUMBER: US/09/418,641A
CURRENT APPLICATION NUMBER: US/09/418,641A
CURRENT FILING DATE: 1999-10-15
NUMBER OF SEQ ID NOS: 89
                                                                                                                                                                                                                                                                                          APPLICANT: HOOGENBOOM, Hendricus Renerus Jacobus Matteus
APPLICANT: HOOGENBOOM, Hendricus Renerus Jacobus Matteus
APPLICANT: BAIER, Michael
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                                                                                                  APPLICANT: JESPERS, Laurent Stepha
APPLICANT: WINTER, Gregory Paul
TITLE OF INVENTION: Production of
TITLE OF INVENTION: combinatorial
NUMBER OF SEQUENCES; 144
CORRESPONDENCE ADDRESS:
               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                         STREET: 6300 Sear
CITY: Chicago
STATE: Illinois
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Local Similarity 58.3%;
es 7; Conservative
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                                                                                              COUNTRY:
                                                                                                                                                                NDRESSEE: David W. Clough, Marshall O'Toole Gerstein Murray & NDRESSEE: Borun
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11; Conser
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 CGTTCCTCTTCC 12
                                                                                  60606-6402
                                                                                                                                                                                                                                                                                                                                                         5, Application US/08211202
5565332
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                                                                                                                                                   6300 Sears Tower, 233 South Wacker Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
PatentIn Release #1.0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         86.7%;
                                                                                                                                                                                                                                                                                    Laurent Stephane Anne Therese
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 10.4; DB 3;
Pred. No. 1.9e+03;
0; Mismatches 1;
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Pred. No. 1
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Version #1.25 (EPO)
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STATE: Illinois
COUNTRY: USA
ZIP: 60606-6402
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PACENTIA Release #1.0,
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/211,202

23-SEP-1992

US/08/211,202

Release #1.0,

Version #1.25 (EPO)

ADDRESSEE: Borun
ADDRESSEE: Borun
ADDRESSEE: Borun
TOPRET: 6300 Sears Tower, 2

STREET: 6300 S CITY: Chicago STATE: Illinoi

CORRESPONDENCE ADDRESS:

David W. Clough, Marshall O'Toole Gerstein Murray &

233 South Wacker Drive

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TELEX: 25-3856
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                         atent No. 5565332
GENERAL INFORMATION:
APPLICANT: HOOGENI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: PCT/GB92/00883
FILING DATE: 15-MAY-1992
ATTORNEY_AGENT INFORMATION:
NAME: DAVId W. Clough
REGISTRATION NUMBER: 36,107
REGISTRATION NUMBER: 28111/31960
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-474-6300
                                                                                                                                                                                     08-211-202-36/c
APPLICANT: JESPERS, Laurent Stephane Anne Therese
APPLICANT: WINTER, Gregory Paul
TITLE OF INVENTION: Production of chimeric antibodies -
TITLE OF INVENTION: combinatorial approach
NUMBER OF SEQUENCES: 144
                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/211,202
FILING DATE: 23-SEP-1992
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: GB 9: FILING DATE: 25-SEP-1991 PRIOR APPLICATION DATA:
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APPLICATION NUMBER: GB 9120252.3
FILING DATE: 23-SEP-1991
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                                                                                                                                                                                                                                                                                                                                                     Match 86.7%;
Local Similarity 91.7%;
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APPLICATION DATA:
GB 9206372.6
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                                                                                                                                                   5, Application US/08211202
5565332
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24-MAR-1992
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Pred. No. 2e+03;
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Gaps

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; STRANDEDNESS:
; TOPOLOGY: line
; MOLECULE TYPE: 1
US-08-211-202-36
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Best Local Similarity
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                                                     COUNTRY: USA
COMPUTER READABLE FORM:
COMPUTER Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
CURRENT APPLICATION NUMBER: US/08/307,619
                                                                                                                                                                                                                                                                                                                                                                                                                        SENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                       tent No.
               CLASSIFICATION: G01N 33/531, G01N 33/68 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION:
                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                          APPLICANT:
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TYPE: nucleic acid
STRANDEDNESS: single
APPLICATION NUMBER:
                              CLASSIFICATION:
CLASSIFICATION:
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5. 5733743
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                                                                                                                                                                                                                        Chicago
                                                                                                                                                                                                                                                                                                                                                           Winter, Gregory P
                                                                                                                                                                                                         Illinois
                                                                                                                                                                                                                                         E: Marshall, O'Toole, Gerstein, Murray & Borun 6300 Sears Tower, 233 South Wacker Drive
                                                                                                                                                                                                                                                                                                                                         Waterhouse, P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
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                                                                                                                                                                                                                                                                                                     Methods for producing members of specific binding pairs
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91.7%;
PCT/GB93/00605
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Best Local S
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                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
FILING DATE: 15-MAY-1
                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9206318.9
                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                  NAME: David W. Clough
REGISTRATION NUMBER: 36,107
                                                                                                                                       STRANDEDNESS:
                                                                                                                                                   LENGTH: 24 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                           FILING DATE:
                                                                                                                           TOPOLOGY:
                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER:
                                                                                                                                                                 ENGTH:
                         1 CGTTCCTCTTCC 12
                                                                   Similarity
                                                      Conservative
                                                                                                                                                                                                                                                                                                  15-MAY-1992
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CTTCC 2
                                                                                                                                       single
                                                                  86.7%;
91.7%;
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                                                                  Score 10.4; DB Pred. No. 2e+03;
                                                      Mismatches
                                                                               DB 1;
                                                                               Length 24;
                                                     Indels
                                                     0,
                                                     Gaps
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Search completed: June 25, 2003, 00:24:35 Job time : 18.2151 secs

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INFORMATION FOR SEQ ID NO:

36:

TELEFAX: 25-3856

312-474-0448

312-474-6300

TELEPHONE:

NAME: David W. Clough
REGISTRATION NUMBER: 36,107
REFERENCE/DOCKET NUMBER: 28111/31960
TELECOMMUNICATION INFORMATION:

PRIOR APPLICATION DATA:

ATTORNEY/AGENT INFORMATION:

FILING DATE: APPLICATION NUMBER:

MBER: PCT/GB92/00883 15-MAY-1992

PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9206372.6
PILING DATE: 24-MAR-1992

PRIOR APPLICATION DATA:

FILING DATE:

25-SEP-1991

GB 9120377.8

APPLICATION NUMBER: FILING DATE: 24-MAP

UMBER: GB 9206318.9 24-MAR-1992

PRIOR APPLICATION DATA:

FILING DATE:

23-SEP-1991

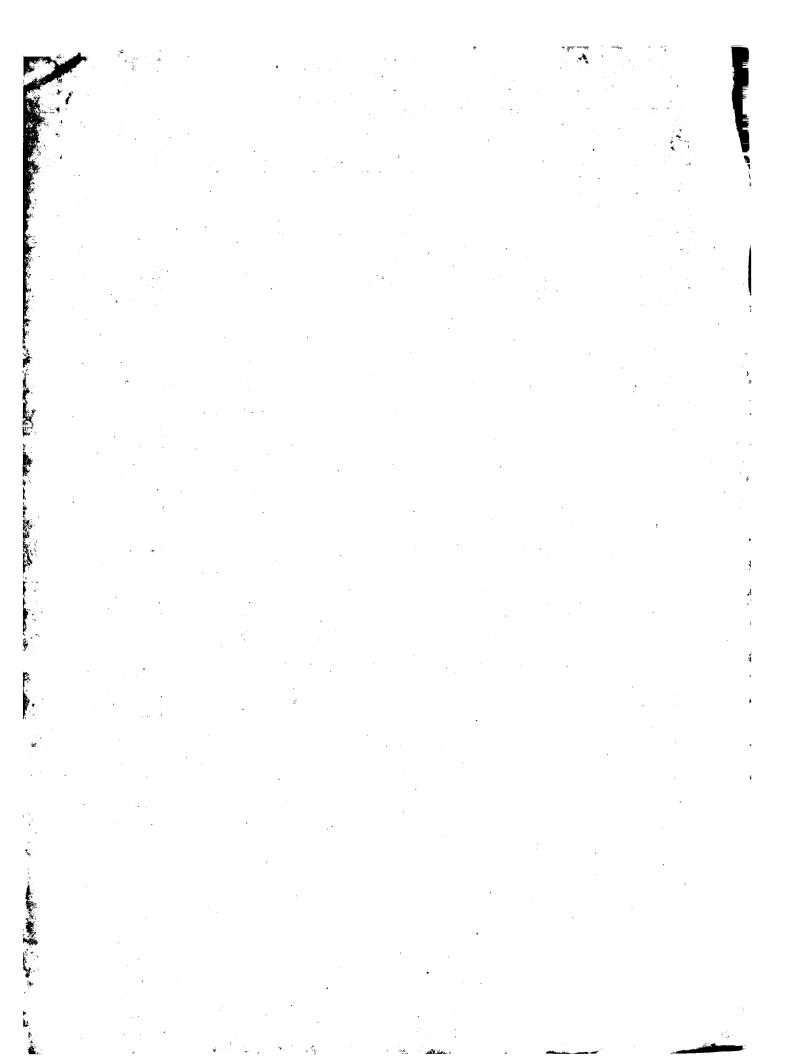
GB 9120252.3

APPLICATION NUMBER:

APPLICATION NUMBER:

APPLICATION DATA:

SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs



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Database
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Maximum Match
Listing first
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Perfect score:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
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12
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Copyright (c) 1993 - 2003 Compugen
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80: /cgn2_6/ptodata/2/pna/US6030_COMB.seq:
81: /cgn2_6/ptodata/2/pna/US6030_COMB.seq:
82: /cgn2_6/ptodata/2/pna/US6030_COMB.seq:
83: /cgn2_6/ptodata/2/pna/US6030_COMB.seq:
84: /cgn2_6/ptodata/2/pna/US6030_COMB.seq:
85: /cgn2_6/ptodata/2/pna/US6030_COMB.seq:
86: /cgn2_6/ptodata/2/pna/US6030_COMB.seq:
87: /cgn2_6/ptodata/2/pna/US6030_COMB.seq:
88: /cgn2_6/ptodata/2/pna
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 20 21 | C C 115 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Result No. |
| ==== | 11121 | | Score |
| 91.7 91.7 91.7 | 100.0 100.0 91.7 91.7 | | Query Match Length DB |
| 188 | 10692 1132 1133 1133 | 23222222222222222222222222222222222222 | ngth b |
| 1 PCT-US02-25943-62885 1 PCT-US02-25943-62885 42 US-10-227-565-25195 42 US-10-227-565-62885 | 1 PCT-USO2-25943-62884 42 US-10-227-565-62884 1 PCT-USO2-25943-46617 2 US-10-227-565-46617 2 US-10-227-565-46617 | 1 PCT-US97-23619-4 11 US-08-770-564A-4 11 US-08-770-564A-3 11 US-08-770-564A-3 36 US-09-954-427-81691 08-09-233-166-18655 67 US-60-233-166-18657 67 US-60-233-1620-45573 67 US-60-233-620-45573 67 US-60-233-620-45573 67 US-60-353-954-617-52883 67 US-60-353-957-3646 1 PCT-US97-23619-2 |)B ID |
| Sequence 25195, A Sequence 62885, A Sequence 25195, A Sequence 62885, A | Sequence 17, App.1 Sequence 62884, A Sequence 62884, A Sequence 46617, A Sequence 46617, A | Sequence 4, Appli Sequence 3, Appli Sequence 3, Appli Sequence 3, Appli Sequence 81691, A Sequence 81691, A Sequence 81691, A Sequence 45573, A Sequence 52883, A Sequence 2, Appli Sequence 2, Appli Sequence 2, Appli | Description |

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PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/770,564

APPLICATION NUMBER: US 08/770,564

FILING DATE: 20-DEC-1996

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/770,565

FILING DATE: 20-DEC-1996

ATTORNEY/AGENT INFORMATION:

NAME: SCOTE-11a, John R.

REGISTRATION NUMBER: 15389-27PC

REFERENCE/DOCKET NUMBER: 15389-27PC

TELECOMMUNICATION:

TELEPHONE: (415) 576-0200

TELEPAX: (415) 576-0300

***UNFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 1
PCT-US97-23619-4
                                                                                                                                                                                                                                                                                                                                                                   STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 9411-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: FORDS/MS-DOS
SOFTWARB: PC-DOS/MS-DOS
SOFTWARB: PARENTIN RELEASE #1.0, Version #1.30
CURRENT APPLICATION DATA:
PRILOR DATE: Not yet assigned
CLASSIFICATION
CLASSIFICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 4, Application PC/TUS9723619 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: Methods for Detecting and IT TITLE OF INVENTION: RNA Component of Telomerase NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS: ADDRESSE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Methods for Detecting and Inhibiting the RNA Component of Telomerase
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US-09-396-196G-95195

US-09-396-196G-95206

US-09-396-196G-119937

US-09-660-220-124408

US-09-660-220-1244103

US-09-660-220-1244103

US-09-660-220-124417

US-09-954-427-35992

US-09-954-427-35992

US-09-954-427-79982

US-09-954-427-149911

US-09-954-427-149911

US-09-954-427-2911192

US-09-954-427-391192
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US-09-396-196F-95195
US-09-396-196F-95206
US-09-396-196F-119937
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95195, A
95206, A
119937,
119937,
95194, A
95195, A
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                                                                                                                                                                                                                                                                                                      TELEFAX: 415-576-0300

INFORMATION FOR SEQ ID NO: 4

SEQUENCE CHARACTERISTICS:
LENGTH: 12 base pairs
TYPE: nucleic acid
STRANDENESS: single
TOPOLOGY: linear
TOPOLOGY: linear
INCLECULE TYPE: DNA
US-08-770-564A-4
                                      RESULT 3
PCT-US97-23619-3
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Best Local Similarity
Watches 12; Conserve
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US-08-770-564A-4
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LOCATION: 1..12
COTHER INFORMATION: /note= "oligo 14d"
PCT-US97-23619-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: Ploppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/770,564A

FILING DATE: 20-DEC-1996

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: Storella, John R.

REFERENCE/DOCKET NUMBER: 32,944

REFERENCE/DOCKET NUMBER: 31389-002200US

TELEPHONE: 415-576-0200

TELEPHONE: 415-576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 4, Applicati
GENERAL INFORMATION:
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSES: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott L.
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE:
FEATURE:
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TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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STATE: CA
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2.2e+04;
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RESULT 4
US-08-770-564A-3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REPERENCE/DOCKET NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 3:
             APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: PC-DOS/MS-DOS
SOFTWARE: PATENTIA Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: PCT/US97/23619
APPLICATION NUMBER: PCT/US97/23619
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LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION DATA:
PRIOR APPLICATION UNMBER: US 08/770,564
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 08
FILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KBY: -
LOCATION: 1..20
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 20 base pairs
TYPE: nucleic acid
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Two Embarcadero Center, Eighth Floor
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Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 linear
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20-DEC-1996
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29
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                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/09/954,427
CURRENT FILING DATE: 2001-09-17
NUMBER OF SEQ ID NOS: 420907
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 81691
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                     Sequence 81691, Application US/09954427 GENERAL INFORMATION:
                                                      Matches
                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local &
                                                                                                                         ORGANISM: Rattus norvegicus
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank AA819663
                                                                                                                                                                                                                                                                                      APPLICANT: Mittmann
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
TITLE OF INVENTION: Genome
                                                                                                                                                                                                                                                                              FILE REFERENCE: 3112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: 415-576-0300 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                          TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: li
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
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NAME: Storella, John R.
REGISTRATION NUMBER: 32,'
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY:
ZIP: 94:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 20 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET: Two Embarcac
CITY: San Francisco
                                                                      Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12;
                                                      12;
                         1 CGTTCCTCTTCC 12
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                                                        Conservative
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Pred. No.
                                                                      Score 12;
Pred. No.
                                                     Mismatches
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                                                                  2.3e+04;
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                                                                                Length 25;
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RESULT 6 US-09-956-584-18655/c ; Sequence 18655, Application US/09956584

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RESULT 8
US-60-23-620-45573/c
US-60-23-620-45573, Application US/60233620
Sequence 45573, Application US/60233620
GENERAL INFORMATION:
APPLICANT: Mittmann
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
TITLE OF INVENTION: Arabidopsis thaliana
FILE REFERENCE: 3116
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: DNA
; ORGANISM: Rattus norvegicus
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank AA819663
US-60-233-166-81691
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US-60-233-166-81691
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CURRENT FILING DATE: 2000-10-24
NUMBER OF SEQ ID NOS: 420907
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 81691
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATIÓN:

APPLICANT: Mittmann

APPLICANT: Affymetrix, Inc.

TITLE OF INVENTION: Methode

TITLE OF INVENTION: Genome

PILE REFERENCE: 3112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: 60/234,017
PRIOR FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605887
SOFTWARE: Microarray Probe Sequence Listing Generator V
SEQ ID NO 18655
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: Mittman, Michael
TITLE OF INVENTION: Methods of Genetic An-
FILE REFERENCE: 3115.1
CURRENT APPLICATION NUMBER: US/09/956,584
CURRENT FILING DATE: 2001-09-19
                                                                            SEQ ID NO 45573
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Best Local :
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Best Local
                                                                                          CURRENT APPLICATION NUMBER: U5/60/233,620 CURRENT FILING DATE: 2000-10-24 NUMBER OF SEQ ID NOS: 131820 SOFTWARE: FastSEQ for Windows Version 4.0
  TYPE: DNA
ORGANISM: Arabidopsis thaliana
UBLICATION INFORMATION:
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1 Similarity 100.0%; Pred. No. 2.3e+04;
12; Conservative 0. Minner:
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Similarity 100.0%;
12; Conservative 0
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Methods of Genetic Analysis of the
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Pred. No. 2.
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; ORGANISM: Mus musculus
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank U41285
US-60-234-017-52883
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US-60-234-017-52883/c
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                                                         RESULT 11
PCT-US97-23619-2
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                                                                                                                                                                                                                                                                                ; ORGANISM: Homo sapien 
US-60-353-987-396546
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US-60-353-987-396546/c
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Best Local Similarity 100.
"---hes 12; Conservative
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CURRENT FILING DATE: 2002-02-01
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 396546
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/60/234,017
CURRENT FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605887
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 52883
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 396546, Application US/60353987
GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-Ul33
FILE REFERENCE: 3121
Sequence 2, Application PC/TUS9723619
GENERAL INFORMATION:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 52883, Application US/60234017 GENERAL INFORMATION:
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Best Local (
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APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: musculus
TITLE OF INVENTION: musculus
                                                                                                                                                                                                                                                                                                                     TYPE: DNA
                                                                                                                                                                                                                                                                                                                                        ENGTH:
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Pred. No. 2
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Pred. No. 2.3e+04;
Mismatches, 0;
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GENERAL INFORMATION:
APPLICANT: Kealey
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,564
PILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
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             CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: PCT/US97/23619
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION:
                                                                       NUMBER OF SEQUENCES:
                                                                      ITLE OF INVENTION: Inhibitory Polynucleotides Directed ITLE OF INVENTION: Against the RNA Component of Telome: MBER OF SEQUENCES: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LOCATION: 1..30 OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAMB/KEY:
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DEDNESS: single
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San Francisco
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                                                                                                                                               Kealey, James T.
Pruzan, Ron
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                                                                                                                              Scott L
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Best Local
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                                             PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/482,115
FILING DATE: 7-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/472,802
FILING DATE: 7-JUN-1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                        SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/521,634
FILING DATE: 31-AUG-1995
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
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LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Andrews, William
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
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PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: Townsend and Townsend and Crew STREET: One Market Plaza, Steuart Tower, Suite 2000 CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/08/770,564A FILING DATE: 20-DEC-1996 CLASSIFICATION: 514
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version
                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
             APPLICATION NUMBER: US 08/330,123 FILING DATE: 27-OCT-1994
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Funk, Walter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Villeponteau, Bryant
                                                                                                                                                                                                                                                                                                    Floppy disk
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US 08/272,102

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RESULT 15
US-10-227-565-62884/c
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PCT-US02-25943-62884/c
PCT-Mance 62884, Application PC/TUS0225943
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-521-634-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PCT-US02-25943-62884
                                                                                     Sequence 62884, Application US/10227565

SERVENT: INFORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
APPLICANT: INFORMATION:
PROBLEM TITLE OF INVENTION: Pseudomonas aeruginosa PAO1, complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT PAPLICATION NUMBER: US/10/227,565
CURRENT FILING DATE: 2002-08-26
NUMBER OF SEQ ID NOS: 64158
SOFTWARE: Proprietary
SEQ ID NO 62884
LENGTH: 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 62884, Application PC/TUS0225943

GENERAL INFORMATION:
APPLICANT: Peldmann, Richard J., Global Determinants, Inc.
TITLE OF INVENTION: Pseudomonas aeruginosa PA01, complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: PCT/US02/25943
CURRENT APPLICATION MOBER: PCT/US02/25943
CURRENT FILING DATE: 2002-08-27
NUMBER OF SEG ID NOS: 64158
SOFTWARE: Proprietary
SEG ID NO 62884
LENGTH: 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ouery Match. 100.0%; Score 12; DB 9; 1
Best Local Similarity 100.0%; Pred. NO 2.4e+04;
Matches 12; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 100.0%;
Best Local Similarity 100.0%;
Matches 12; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 31 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LOCATION: (6132858)...(6132888)
OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 67367
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Pseudomonas aeruginosa PA01, complete genome FEATURE:
                                         ORGANISM: Pseudomonas aeruginosa PA01, complete genome
OCATION: (6132858)...(6132888)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRANDEDNESS:
TOPOLOGY: lir
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FILING DATE: 7-JUL-1994
TORNEY/AGENT INFORMATION:
NAME: Dunn, Tracy J.
REGISTRATION NUMBER: 34,587
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3
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; OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 6736 US-10-227-565-62884
Query Match 100
Best Local Similarity 100
Matches 12; Conservative
                    100.0%;
  Score 12; DB 42; Length 32; Pred. No. 2.4e+04; O; Indels
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Search completed: June 25, 2003, 06:20:21 Job time: 1018.85 secs

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Minimum
Maximum
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Maximum Match
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Perfect score:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 08
                                                                                                                                                                                                                                                                   Score
    seq length: 0 seq length: 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                              Published_Applications_NA:*

1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*

2: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*

3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*

4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*

4: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*

6: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*

6: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*

7: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*

9: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*

9: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*

10: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*

11: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*

12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*

13: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*

14: /cgn2_6/ptodata/1/pubpna/US00_NEW_PUB.seq:*
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1042519 seqs, 733713590 residues
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Gapop 10.0 , Gapext 1.0
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12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 CGTTCCTCTTCC 12
    Copyright
                                                                                                                                                                                                                                                                   Length
    GenCore version 5.1.6 (c) 1993 - 2003 Compugen Ltd.
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1 100%
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US-10-099-263B-24096

US-10-098-263B-81648

US-10-098-263B-81648

US-10-098-263B-96226

US-10-098-263B-114611

US-09-818-875-899

US-09-818-875-900

US-09-818-875-900
0 US-09-818-954A-4

0 US-09-988-899-9

0 US-09-943-388-16

US-10-045-631A-12

US-10-098-263B-9063

US-10-098-263B-9064

US-10-098-263B-21621

US-10-098-263B-22257

US-10-098-263B-23782
                                                                                                                    US-09-854-883-302
US-09-864-636A-1899
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   summaries
                                                                                                                                                                                                                                                                                                        SUMMARIES
Sequence 899, App
Sequence 900, App
Sequence 302, App
Sequence 1899, Ap
Sequence 4, Appli
Sequence 9, Appli
Sequence 16, Appl
Sequence 9063, Appl
Sequence 9064, Ap
Sequence 21621, A
Sequence 2257, A
Sequence 23782, A
                                                                                                                                                                    Sequence 12736, A
Sequence 24096, A
Sequence 81647, A
Sequence 81648, A
Sequence 96226, A
Sequence 114611,
                                                                                                                                                                                                                                                                Description
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US-10-215-112-12736/c
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Publication No. US20030082596A1
GENERAL INFORMATION:
APPLICANT: Michael Mittmann
```

| | 4 5 | 44 | 43 | 42 | 41 | 40 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21. | 20 |
|------------|-------------------|------------------|-------------------|------------------|------------------|------------------|------------------|------------------|--------------------|--------------------|------------------|-------------------|-------------------|------------------|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10. | 10 | 10 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10:4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 |
| | 83.3 | 83.3 | 83.3 | | | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| | 24 | 24 | 24 | 20 | 20 | 20 | 20 | 20 | 19 | 18 | 18 | 17 | <u>3</u> 1 | 31 | 30 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| | 10 | 9 | 9 | 9 | 9 | 9 | ø | 9 | 10 | 10 | φ | 9 | 10 | 9 | 10 | ø | 9 | 9 | ø | φ | 9 | 9 | φ | 9 | 9 | 9 |
| ALIGNMENTS | US-09-037-657-4 | US-10-101-487-13 | US-10-101-487-12 | US-10-216-484-98 | US-10-216-484-94 | US-09-953-047-40 | US-10-181-846-85 | US-10-139-496-25 | US-09-969-373-1794 | US-09-969-373-3188 | US-09-925-388-30 | US-10-163-552-930 | US-09-987-456-128 | US-10-052-942-80 | US-09-987-456-129 | US-10-098-263B-120939 | US-10-098-263B-120874 | US-10-098-263B-117168 | US-10-098-263B-117167 | US-10-098-263B-95403 | US-10-098-263B-89842 | US-10-098-263B-84565 | US-10-098-263B-81106 | US-10-098-263B-57561 | US-10-098-263B-48100 | US-10-098-263B-25281 |
| | Sequence 4, Appli | 13, | Sequence 12, Appl | 98, | | 40, | 85, | 25, | Sequence 1794, Ap | e 3188, | | | Sequence 128, App | w | Sequence 129, App | | | Sequence 117168, | | Sequence 95403, A | Sequence 89842, A | Sequence 84565, A | Sequence 81106, A | 57561, | 4810 | Sequence 25281, A |

ALIGNMENTS

TITLE OF INVENTION: Method of Genetic Analysis of Probes: TITLE OF INVENTION: Test3
FILE REFERENCE: 3119

```
; Sequence 24096, Application US/10098263B
Publication No. US20030104410A1
; GENERAL INFORMATION:
APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION UNBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
                                                                                                                                                                          RESULT 2
US-10-098-263B-24096/c
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                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Synthetic Oligonucleotide US-10-215-112-12736
                                                                                                                                                                                                                                                                                                                     Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/10/215,112
CURRENT FILING DATE: 2002-08-08
NUMBER OF SEQ ID NOS: 14936
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 12736
                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 25
                                                                                                                                                                                                                                                                                                                     11;
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100.0%; Pr
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                                                                                                                                                                                                                                                                                                                   Score 11; DB 9; L; Pred. No. 6.5e+03; 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                     Length 25
                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                     0
                                                                                                                                                                                                                                                                                                                     Gaps
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RESULT 4
US-10-098-263B-81648
Sequence 81648, Application US/10098263B
Publication No. US20030104410A1
GENERAL INFORMATION:
APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION UNMER: 60/276,759
PRIOR FILING DATE: 2001-03-16
SOPTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 81648
LENGTH: 25
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-088-263B-81647

i Sequence 81647, Application US/10098263B

publication No. US20030104410A1

GENERAL INFORMATION:

APPLICANT: Mittman, Michael

TITLE OF INVENTION: Human Microarray

FILE REFERENCE: 3118.1

CURRENT INFLICATION NUMBER: US/10/098,263B

CURRENT FILING DATE: 2003-01-08

PRIOR APPLICATION NUMBER: 60/276,759

PRIOR FILING DATE: 2001-03-16

NUMBER OF SEQ ID NOS: 131066

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 81647

LENGTH: 25
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; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-2638-24096
B.
                                                                                                                                        ; ORGANISM: Homo sapien US-10-098-263B-81648
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; ORGANISM: Homo sapien 
US-10-098-263B-81647
                                                                      Query Match
Best Local S
Matches 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 24096
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 91.7%;
Best Local Similarity 100.0%;
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 91.7%; Sometime 100.0%; Sometime 100.0%; Matches 11; Conservative 0;
                                                                      Match 91.7%; So
Local Similarity 100.0%; 1
es 11; Conservative 0;
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                                    GITCCICITCC 12
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    GITCCICITCC 11
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Pred. No.
                                                                      Score 11; DB 9; Length 25; Pred. No. 6.5e+03; Indels 0; Mismatches 0; Indels
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RESULT 6
US-10-098-263B-114611
Sequence 114611, Application US/10098263B
Publication No. US20030104410A1
GENERAL INFORMATION:
APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT PILING DATE: 2003-01-08
FRIOR APPLICATION NUMBER: 60/276,759
FRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 114611
LEGURGH: 75
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Publication No. US20030104410A1

GENERAL INFORMATION:
APPLICANT: Mittman, Michael
ITITLE OF INVENTION: Human Microarray
FILLE REFERENCE: 3118.1

CURRENT FILING DATE: 2003-01-08

PRIOR APPLICATION NUMBER: 60/276,759

PRIOR APPLICATION NUMBER: 60/276,759

PRIOR APPLICATION NUMBER: 60/276,759

PRIOR APPLICATION NUMBER: 60/276,759

PRIOR FILING DATE: 2001-03-16

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 96226

LENGTH: 25
US-09-818-875-899/c

| Sequence 899, Application US/09818875 |
| Sequence 899, Application No. US20030051270A1 |
| GENERAL INFORMATION: US20030051270A1 |
| GENERAL INFORMATION: Faic B. |
| APPLICANT: Raice, Bric B. |
| APPLICANT: Raice, Michael C. |
| APPLICANT: Raice, Michael C. |
| APPLICANT: Raice, Michael C. |
| TITLE OF INVENTION: Stranded Oligonucleotides |
| TITLE OF INVENTION: Stranded Oligonucleotides |
| FILE REFERENCE: Napro-4 |
| CURRENT APPLICATION NUMBER: US/09/818,875 |
| CURRENT FILING DATE: 2001-03-27 |
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; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-96226
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US-10-098-263B-96226
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; ORGANISM: Homo sapien 
US-10-098-263B-114611
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Best Local 8
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Best Local S
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1 Similarity 100.0%; Pred. No. 6.5e+03;
11; Conservative 0; Mismatches 0;
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100.0%; Pred. No. 6.5e+03;
tive 0; Mismatches 0;
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US-09-854-883-302/c
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US-09-818-875-900
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-899
                                                                                       GENERAL INFORMATION:
                                                                                                      Sequence 302, Application US/09854883 Patent No. US20020055479A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQ ID NOS: 4385
SOFTWARE: Friedman macro Napro4
SEQ ID NO 899
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SEQ ID NO 900
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Publication No.
                                               APPLICANT: Lex M. Cowsert
APPLICANT: Jacqueline Wyatt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single TITLE OF INVENTION: Stranded Oligonucleotides FILS REFERENCE: Napro-4 CURRENT APPLICATION NUMBER: US/09/818,875
CURRENT FILING DATE: 2001-03-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR FILING DATE: 2000-06-01
PRIOR APPLICATION NUMBER: US 60/244,989
PRIOR FILING DATE: 2000-10-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT FILING DATE: 2001-03-27
PRIOR APPLICATION NUMBER: US 60/192,176
PRIOR FILING DATE: 2000-03-27
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PRIOR FILING DATE: 2000-03-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Kmiec, Eric B.
APPLICANT: Gamper, Howar
APPLICANT: Rice, Michael
                                    APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQ ID NOS: 4385
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: US 60/192,176
PRIOR FILING DATE: 2000-03-27
                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
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Local Similarity 91.7%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US 60/208,538
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Madeline M. Butler
               Susan M. Freier
Brett P. Monia
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Pred. No. 1.4e+04;
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Pred. No. 1
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US-09-818-954A-4
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US-09-864-636A-1899/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Antisense Oligonucleotide US-09-854-883-302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: Third Wave Technologies
APPLICANT: Allwai, Hatim
APPLICANT: Bartholomay, Christian
APPLICANT: Chehak, LuAnne
TITLE OF INVENTION: Detection of RNA Sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: PatentIn version 3.0 SEQ ID NO 1899 LENGTH: 22
                                                                                                                                                                                       Sequence 4, Application US/09818954A
Patent No. US20020015981A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQ ID NOS: 389
SEQ ID NO 302
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Best Local (
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Best Local Similarity 91.7%;
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CURRENT APPLICATION NUMBER: US/09/864,636A
CURRENT FILING DATE: 2002-10-15
NUMBER OF SEQ ID NOS: 2640
TITLE OF INVENTION: Beta-Like Glycoprotein Hormone Polypeptide and Heterdimer FILE REFERENCE: A-676B CURRENT APPLICATION NUMBER: US/09/818,954A CURRENT FILING DATE: 2001-03-27
                                                                       APPLICANT: Paszty, Christopher
APPLICANT: Cao, Jin
APPLICANT: Danilenko, Dimitry
APPLICANT: Gong, Jianhua
APPLICANT: Hill, David
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CURRENT APPLICATION NUMBER: US/09/854,883
CURRENT FILING DATE: 2001-05-14
PRIOR APPLICATION NUMBER: US 09/629,644
PRIOR PILING DATE: 2000-07-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: US 09/487,368 PRIOR FILING DATE: 2000-01-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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91.7%;
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Pred. No. 1.4e+04
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Pred. No. 1
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RESULT 12
US-09-988-899-9/c
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US-09-943-388-16
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                                                                                                                                                                                                                                 Sequence 16, Application US/09943388 Patent No. US20020160953A1
                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
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Patent No. US2002010
GENERAL INFORMATION
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Best Local Similarity
FILE REFERENCE: 00-34
CURRENT APPLICATION NUMBER: US/09/943,388
CURRENT FILING DATE: 2001-08-30
PRIOR APPLICATION NUMBER: 09/839,706
PRIOR APPLICATION NUMBER: 2000-04-25
PRIOR APPLICATION NUMBER: US 60/199,498
PRIOR APPLICATION NUMBER: 2000-04-25
                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
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                                                                                                                                  ENERAL INFORMATION:
APPLICANT: Holloway, James L.
APPLICANT: Webster Philippa J.
APPLICANT: Thayer, Edward C.
TITLE OF INVENTION: Mammalian Glycoprotein Hormone-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: HOOGENBOOM, HENDRICUS R.J.M.
TITLE OF INVENTION: NOVEL FAB FRAGMENT LIBRARIES AND METHOD FOR THEIR USE
FILE REFERENCE: DX/003 CON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: PCT
PRIOR FILING DATE: 2000-05-18
PRIOR APPLICATION NUMBER: 992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/09/988,899
CURRENT FILING DATE: 2001-11-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: 60/199,211
PRIOR FILING DATE: 2000-04-24
PRIOR APPLICATION NUMBER: 60/192,654
PRIOR FILING DATE: 2000-03-28
NUMBER OF SEQ ID NOS: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE:
EQ ID NO 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR FILING DATE: 1999-05-18
NUMBER OF SEQ ID NOS: 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FEATURE:
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US20020102613A1
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91.7%;
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Pred. No. 1.
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Pred. No. 1.4e+04;
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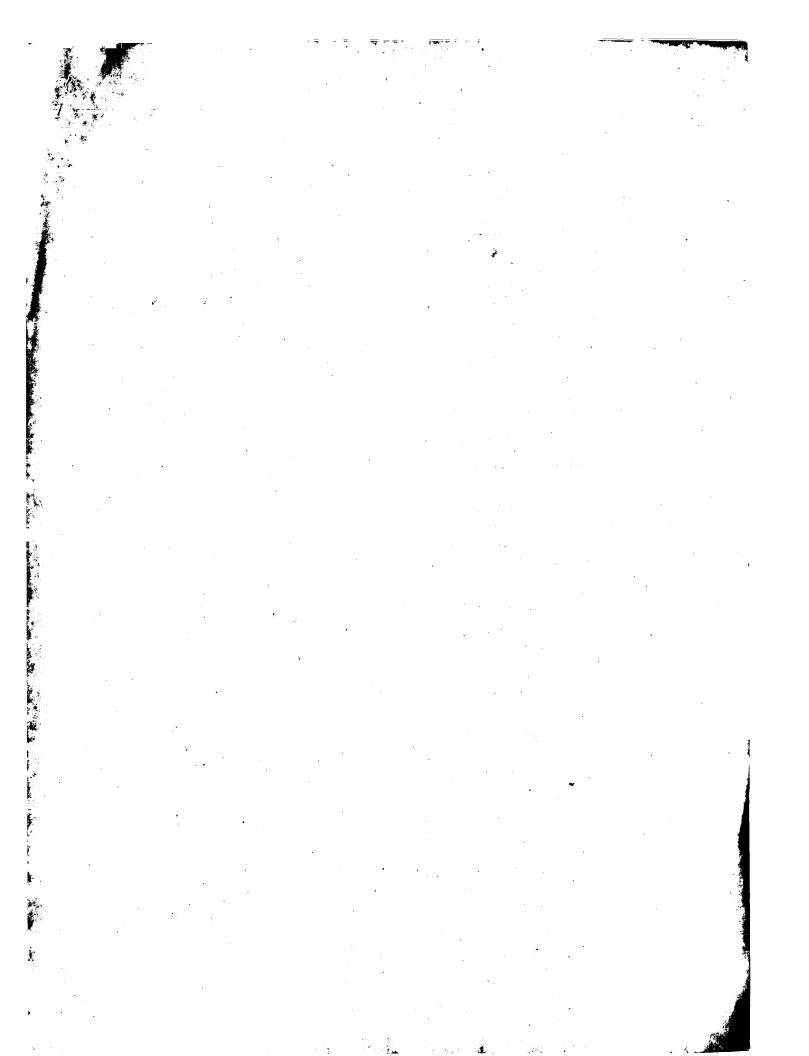
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US-09-943-388-16
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                                                                                                                                                Sequence 9063, Application US/10098263B
Publication No. US2003010410A1
GENERAL INFORMATION:
APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
                                                                                                                                                                                                                                                                                                                                                                                                                 Best Loc
Matches
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SEQ ID NO 16
LENGTH: 25
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local
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SEQ ID NO 12
LENGTH: 25
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Best Local Similarity
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CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
CURRENT PPLICATION NUMBER: 60/276,759
PRIOR PRIOR PILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 9063
LENGTH: 25
                                                                                                                                                                                                                                                                -10-098-263B-9063
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Cytokinetics, Inc.
TITLE OF INVENTION: HUMAN KINESINS AND METHODS OF PRODUCING AND PURIFYING
TITLE OF INVENTION: HUMAN KINESINS
FILE REFERENCE: 020552-000410US
CURRENT APPLICATION NUMBER: W5/10/045,631A
CURRENT FILING DATE: 2001-10-19
PRIOR APPLICATION NUMBER: W0 PCT/US00/10870
PRIOR PILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 09/295,612
PRIOR APPLICATION NUMBER: US 09/295,612
PRIOR PILING DATE: 1999-04-20
PRIOR FILING DATE: 1999-04-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FEATURE:
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Vaisberg, Eugeni
Wood, Ken
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No. US20030044900A1
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91.7%;
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91.7%; Pred. No. 1.4
tive 0; Mismatches
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; TYPE: DNA; CORGANISM: Homo mapien
US-10-098-263B-9063

Query Match
Best Local Similarity 91.7%; Pred. No. 1.4e+04;
Matches 11; Conmervative 0; Mismatches 1; Indels 0; Gaps 0;

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Search completed: June 25, 2003, 22:25:02

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1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*

2: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*

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5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*

6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:*

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11: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*

12: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*

13: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*

14: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*

15: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*

16: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
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   CGTTCCTCTTCCTGCGGCCT
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   _6/ptodata/1/pubpna/US60_PUBCOMB.seq:*
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US-10-098-263B-2538-65885
US-09-912-263-428
US-09-912-263-429-17
US-10-098-263B-48100
US-09-801-274-1791
US-09-801-274-1791
US-09-801-274-1791
US-09-98-160-26
US-09-944-160-26
US-09-944-160-26
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US-10-098-263B-116560
US-10-098-263B-116560
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                                                                                                                    Sequence 428, App
Sequence 17, Appl
Sequence 24011, A
Sequence 48100, A
Sequence 1791, Ap
                                  Sequence 58, Appl
Sequence 26, Appl
Sequence 26, Appl
Sequence 40, Appl
Sequence 49318, A
Sequence 116559,
Sequence 116560,
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Sequence 71, Appl
Sequence 23782, A
Sequence 69585, A
Sequence 428, App
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 Sequence 40, Appl
Sequence 3290, Ap
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59, Appl
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| 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.6 | 12.6 | 12.6 | | 12.6 | | 12.6 | 12.6 | 12.6 | 12.8 |
| 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 62.0 | | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 64.0 |
| 23 | 23 | 23 | 23 | 20 | 17 | 17 | 38 | 38 | 38 | 38 | 25 | 25 | 25 | 25 | 18 | 25 | 25 | 25 | 25 | 25 | | | | 20 | 42 |
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| US-09-987-456-108 | US-10-052-942-140 | US-09-818-991-62 | US-10-061-395-97 | US-09-854-883-127 | US-09-866-108-2417 | US-09-780-533A-954 | US-09-780-164-1506 | US-09-848-754A-5600 | US-09-780-533A-3688 | US-09-780-533A-3656 | US-10-098-263B-47500 | US-10-098-263B-46242 | US-10-215-112-3587 | US-10-215-112-326 | US-09-969-373-1923 | US-09-866-108-5354 | • | US-09-866-108-5352 | US-09-866-108-5351 | US-09-866-108-5350 | US-09-866-108-5349 | US-09-866-108-5348 | US-10-098-263B-114612 | US-10-060-301-189 | US-09-500-700-58 |
| Sequence 108, App | Sequence 140, App | Sequence 62, Appl | Sequence 97, Appl | | Sequence 2417, Ap | | 1506, | 5600, | | Sequence 3656, Ap | Sequence 47500, A | 46242 | | Sequence 326, App | Sequence 1923, Ap | 5354, | • | • | 5351, | 5350, | | e 5348, | Sequence 114612, | ٥ | Sequence 58, Appl |

ALIGNMENTS

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; ORGANISM: Homo sapien
US-10-098-263B-114611
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Sequence 114611, Application US/10098;
Publication No. US20030104410A1
GENERAL INFORMATION:
APPLICANT: Mitchael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
                                                                                                                                                                                                     US-09-832-355A-71/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 114611
LENGTH: 25
                                                                                                                                           Sequence 71, Application US/09832355A Publication No. US20030027751A1 GENERAL INFORMATION:
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Matches
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             APPLICANT: Kovesdi, Imre
APPLICANT: Kessler, Paul
TITLE OF INVENTION: VEGF FUSION PROTEINS
FILE REFERENCE: 205654
CURRENT APPLICATION UMMBER: US/09/832,355A
CURRENT FILING DATE: 2001-04-10
NUMBER OF SEQ ID NOS: 126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/10/098,263B CURRENT FILING DATE: 2003-01-08
SOFTWARE: PatentIn version 3.0
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Pred. No. 1.7e
0; Mismatches
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NAME/KEY: misc_feature
; LOCATION: ()..()
; OTHER INFORMATION: Synthetic
US-09-832-355A-71

SEQ ID NO 71 LENGTH: 39

TYPE: DNA ORGANISM: Artificial sequence

Query Match Best Local S

y Match 71.0%; Score 14.2; DB 9; Local Similarity 84.2%; Pred. No. 1.6e+03; hes 16; Conservative 0; Mismatches 3

DB 9;

Length 39;

0

Gaps

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US-10-098-263B-23782/c

; Sequence 23782, Application US/10098263B

; Publication No. US20030104410A1

; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT ETLING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 23782
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; ORGANISM: Homo sapien
US-10-098-263B-23782
                                                                                                                             ; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-69585
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-098-263B-69585/c
                                                                                                                                                                                                                                                                                                    Sequence 69585, Application US/10098263B
Publication No. US20030104410A1
GENERAL INFORMATION:
APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
PRIOR ADDITANTAN WYMANG.
                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 69585
                                                                                   Query Match
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                                            Local Similarity 80.0
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    1 CGTTCCTCTTCCTGCGGCCT 20
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15; Conservative
                                       68.0%; Score 13.6; DB 9;
80.0%; Pred. No. 3.2e+03;
active 0; Mismatches 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             69.0%; Score 13.8; DB 9;
88.2%; Pred. No. 2.6e+03;
ative 0; Mismatches 2;
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RESULT 7
US-10-098-263B-24011
; Sequence 24011, Application US/10098263B
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Sequence 428 Application US/0991263

Publication No. US20030039973A1

GENERAL INFORMATION:

APPLICANT: Cargill, Michele
APPLICANT: Ireland, James S.
APPLICANT: Ireland, James S.
APPLICANT: Ireland, James S.
APPLICANT: Lander, Etc. S.
FILE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
FILE REFERENCE: 2825.2017-001

CURRENT APPLICATION NUMBER: US/09/912,263

CURRENT FILING DATE: 2001-07-24

PRIOR APPLICATION NUMBER: US 60/220,315

PRIOR FILING DATE: 2000-07-24

PRIOR APPLICATION NUMBER: US 60/220,315

PRIOR FILING DATE: 2000-07-24

PRIOR FILING DATE: 2001-07-24

PRIOR FILING DAT
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US-09-912-263-428/c
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; ORGANISM: Homo sapiens
US-09-912-263-428
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US-09-439-429-17
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SEQ ID NO 17
LENGTH: 23
TYPE: DNA
ORGANISM: Artificial Sequence
PEATURE:
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                                                                                                                                                               Query Match 66.0%; Score 13.2; DB 9; Length 23; Best Local Similarity 81.3%; Pred. No. 4.9e+03; Matches 15; Conservative 0; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Mayne, Michael B.
APPLICANT: Mayne, Michael B.
IITLE OF INVENTION: ANTISENSE OLIGODEOXYNUCLEOTIDES REGULATING EXPRESSION TITLE OF INVENTION: OF THE ALPHA
FILE REFERENCE: 3045.00002
CURRENT APPLICATION NUMBER: US/09/439,429
CURRENT FILING DATE: 1999-11-15
PRIOR APPLICATION NUMBER: 60/062,718
PRIOR APPLICATION NUMBER: 09/16,862
PRIOR FILING DATE: 1998-10-22
PRIOR FILING DATE: 1998-10-22
NUMBER OF SEQ ID NOS: 33
COPTRADED: 33
COPTRADED: DATE: 1998-10-22
NUMBER OF SEQ ID NOS: 33
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CGCTCTTCTTCCTGCTGC 1
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Sequence 1791, Application US/09801274

Patent No. US20020032319A1

GENERAL INFORMATION:
APPLICANT: Cargill, Michele
APPLICANT: Ireland, James S.
APPLICANT: Irelander, Eric S.
APPLICANT: Lander, Eric S.
FIILE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
FILE REFERENCE: 2825,2009-001
CURRENT APPLICATION NUMBER: US/09/801,274
CURRENT FILING DATE: 2001-03-07
PRIOR APPLICATION NUMBER: US 60/187,510
PRIOR APPLICATION NUMBER: US 60/206,129
PRIOR FILING DATE: 2000-05-22
NUMBER OF CETT NUCLEOTION OF TOWER THE PRIOR APPLICATION NUMBER: US 60/206,129
PRIOR FILING DATE: 2000-05-22
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US-10-098-263B-48100
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; ORGANISM: Homo sapien
US-10-098-263B-24011
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 24011
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APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local
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CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTMARE: Microarray Probe Sequence Listing Generator V 1.1
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CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
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TITLE OF INVENTION: Human Microarray
FILB REFERENCE: 3118.1
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OFTWARE: FastSEQ for Windows Version 4.0
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Local Similarity 83.3%;
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Local Similarity 83.3%;
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Pred. No. 4.
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                                      US-09-780-533A-59
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                                                                           SOFTWARE: PatentIn version 3.0
SEQ ID NO 59
LENGTH: 17
TYPE: RNA
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Matches 8; Conservative
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Best Local Similarity
Matches 13; Conserv
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LENGTH: 31
Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 59, Application US/09780533A Publication No. US20030060611A1
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                                                                                                                                                        APPLICANT: Chowrita, Bharat
APPLICANT: Haeberli, Pete
APPLICANT: Haeberli, Pete
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
FILE REFERENCE: MBHB00,878-A (400/011)
CURRENT APPLICATION NUMBER: US/09/780,533A
CURRENT FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: US 60/181,797
PRIOR APPLICATION NUMBER: US 60/181,797
PRIOR FILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 6679
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: McSwiggen, Jim
APPLICANT: Chowrira, Bharat
APPLICANT: Habberli, Pete
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
FILE REFERENCE: MBHB00,878-A (400/011)
CURRENT APPLICATION NUMBER: US/99/780,533A
CURRENT FILING DATE: 2001-02-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: Blatt, Larry APPLICANT: McSwiggen, Jim APPLICANT: Chowrira, Bharat APPLICANT: Haeberli, Pete
                                                                                                                                                                                                                                                                                                                                              APPLICANT: Ribozyme Pharmaceuticals, Inc
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
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                                                         ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 17
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86.7%;
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Pred. No. 5.8e+03;
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64.0%;

Score 12.8;

DB 9

Length 17;

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APPLICANT: Haing, Ning
ITILE OF INVENTION: MONOCOT Seeds with Increased Lignan
ITILE OF INVENTION: Content
ITILE OF INVENTION: Content
IFILE OF INVENTION: Content
CONTENT APPLICATION NUMBER: US/09/944,160
CURRENT PILING DATE: 2001-08-30
PRIOR APPLICATION NUMBER: US 60/230,632
PRIOR TILING DATE: 2000-09-07
NUMBER OF SEQ ID NOS: 49
SOFTWARE: PASTSEQ for Windows Version 4.0
ISEQ ID NO 40
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Huang, Ning
TITLE OF INVENTION: Monocot Seeds with Increased Lignan
TITLE OF INVENTION: Content
FILLE REFERENCE: WSUR117983
CURRENT APPLICATION NUMBER: US/09/944,160
CURRENT TLING DATE: 2001-08-30
PRIOR APPLICATION NUMBER: US 60/230,632
PRIOR TILING DATE: 2000-09-07
NUMBER OF SEQ ID NOS: 49
SOFTWARE: FASTSEQ for Windows Version 4.0
LENGTH: 25
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US-09-944-160-40
                                                                                                                                 ; OTHER INFORMATION: primer US-09-944-160-40
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                                                           Matches
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Matches
                                                                            Query Match
Best Local
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Lewis, No. US20020174452Alman
APPLICANT: Davin, Laurence
APPLICANT: Huang, Ning
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                        ORGANISM: Artificial Sequence
                                                                                                                                                                                                                TYPE: DNA
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                                                     ch 64.0%;
1 Similarity 87.5%;
14; Conservative (
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3 TTCCTCTTCCTGCGGC 18
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8; Conservative
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                                                       Score 12.8; DB 9;
Pred. No. 7.4e+03;
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US-10-098-263B-116559/c
US-10-098-263B-116559, Application US/10098263B
Sequence 116559, Application US/10098263B
Publication No. US20030104410A1
GENERAL INFORMATION:
APPLICANT; Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION UMBER: 60/276,759
PRIOR FILING DATE: 2001-03-6
SOPTMARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 116559
LENGTH: 25
TYPE: Number 25
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; ORGANISM: Homo sapien
US-10-098-263B-49318
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US-10-098-263B-49318/c
Sequence 49318, Application US/10098263B
Publication No. US20030104410A1
GENERAL INFORMATION:
APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
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                                                                                                                                                                                      Search completed: June 25, 2003, 22:25:01 Job time: 61.7968 secs
                                                                                                                                                                                                                                                                                                                                                                                                                   ; ORGANISM: Homo sapien US-10-098-263B-116559
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 49318
LENGTH: 25
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Best Local Similarity 87.5%;
Matches 14; Conservative
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
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Pred. No. 7.4e+03;
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Pred. No. 7
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Maximum Match:100%
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1 CGTTCCTCTTCCTG
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Copyright (c) 1993 - 2003 Compus
/ Cgn2_6/ptodata/2/pna/US08_COMB.seq:*
/ Cgn2_6/ptodata/2/pna/US09_COMB.seq:*
/ Cgn2_6/ptodata/2
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Cgn2_6/ptodata/2/pna/US6004_CWMB.seq;
/cgn2_6/ptodata/2/pna/US6006_COMB.seq;
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/cgn2_6/ptodata/2/pna/US6026_COMB.seq;
/cgn2_6/ptodata/2/pna/US6031_COMB.seq;
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| 16 17 18 19 0 20 0 21 | | | Regult No. |
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| 14.2 14.2 14.2 14.2 | | 1155.200 144.5.200 | Score |
| 71.0 71.0 71.0 71.0 70.0 | 72.0 72.0 71.0 | 100.0 100.0 100.0 100.0 100.0 79.0 79.0 76.0 76.0 72.0 | Query Match 1 |
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| 3 3 17 17 | 13 26 79 | 36 36 36 | DB |
| US-07-972-453-31 US-07-972-453-38 US-07-972-453-34 US-07-972-453-40 US-07-972-453-40 US-09-396-196F-119937 US-09-396-196G-119937 | US-09-613-665-14 US-09-671-346-8 US-60-353-987-421837 US-60-353-58A-71 | PCT-US97-23619-3 US-08-770-564A-3 PCT-US97-23619-2 US-08-770-564A-2 US-08-521-634-17 US-10-174-020-71 US-10-174-020-138 PCT-US01-30828-5 PCT-US01-30828-5 PCT-US01-364-18655 US-60-234-0174-2883 | ID |
| Sequence 31, Appl Sequence 38, Appl Sequence 34, Appl Sequence 40, Appl Sequence 11937, Sequence 119937, | Sequence 14, Appli Sequence 8, Appli Sequence 421837, Sequence 71, Appl | Sequence 3, Appli Sequence 3, Appli Sequence 2, Appli Sequence 2, Appli Sequence 17, Appl Sequence 17, Appl Sequence 18, Appl Sequence 18, Appl Sequence 18, Appl Sequence 18, Appl Sequence 18, Appl | Description |

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APPLICANT:

TITLE OF INVENTION: Methods for Detecting and Inhil

TITLE OF INVENTION: RNA Component of Telomerase

NUMBER OF SEQUENCES: 29

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, Eighth Floor

CITY: San Francisco

STATE: California

COUNTRY: USA

COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Methods for Detecting and Inhibiting the RNA Component of Telomerase 29
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US-09-418-641-39
US-10-110-514-39
US-10-110-514-39
US-09-660-220-118104
US-09-956-584-257212
US-60-353-987-563121
US-60-353-987-749521
US-09-687-246A-2
1 US-09-687-246A-2
1 US-09-481-623-15
US-09-481-623-15
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US-09-887-3703-38
US-09-887-3703-38
US-10-002-244-8
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Sequence 39,
Sequence 39,
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Sequence 257
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COMPUTER READABLE FORM:

COMPUTER IBM PC COMPATIBLE

COMPUTER: Plop PC-DOS/MS-DOS

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PALENTIN Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/770,564A

FILING DATE: 20-DEC-1996

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: Storella, John R.

REGISTRATION NUMBER: 32,944

REFERENCE/DOCKET NUMBER: 015389-002200US

TELEPAX: 415-576-0200

TELEPAX: 415-576-0200

TELEPAX: 415-576-0200

TELEPAX: 415-576-0200

INFORMATION FOR ESD ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

US-08-770-564A-3
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US-08-770-564A-3
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GENERAL INFORMATION:
                                                                                                      Matches
                                                                                                                                  Query Match
Best Local
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ron
APPLICANT: Wainrich, Scott L.
APPLICANT: Wainrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: DNA
FEATURE:
FRAME/KEY: -
NAME/KEY: -
LOCATION: 1..20
OTHER INFORMATION: /note= "oligo 14ab"
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TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                      Local Similarity
                                                                                                      20;
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1ve 0; Mismatches
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RESULT 1 PCT-US97-23619-3

ALIGNMENTS

Sequence 3, Application PC/TUS9723619 GENERAL INFORMATION:

APPLICATION NUMBER: PCT/US97/23619
FILING DATE: Not yet assigned
CLASSIFICATION:
PAION APPLICATION DATA:
PAION APPLICATION UNDEER: US 08/770,564
FILING DATE: 20-DEC-1996
PATOR APPLICATION NUMBER: US 08/770,565
PATOR APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: SCOTELLA, John R.
REFERENCE/DOCKET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 13389-27PC
TELECOMMUNICATION INFORMATION:
TELEPAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 3:

15389-27PC

SEQUENCE CHARACTERISTICS:

RESULT 3 PCT-US97-23619-2

COUNTRY: USA ZIP: 94111-3834 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: PCT/US97/23619

Sequence 2, Application PC/TUS9723619 GENERAL INFORMATION:

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RESULT 4
US-08-770-564A-2
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Jequence 2, Application US/08770564A
GENERAL INFORMATION:
APPLICANT: Kealey, James T.
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US 08/770
FILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
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MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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TELECOMMUNICATION INFORMATION:
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PRIOR APPLICATION DATA:
US 08/770,564
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APPLICATION NUMBER: PCT/US97/23619
FILING DATE: Not yet assigned
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TITLE OF INVENTION:
NUMBER OF SEQUENCES:
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                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: -
LOCATION: 1..30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
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INFORMATION FOR SEQ ID NO:
                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOPTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/521,634
FILING DATE: 31-AUG-1995
CLASSIFICATION: 435
                                                                                                                                                                                                                                              STREET: Une ......
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRANDEDNESS: si
TOPOLOGY: linear
MOLECULE TYPE: DNA
FILING DATE: 7-JUN-1995 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Tower, Suite 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS LENGTH: 30 base pairs
                              PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                          COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER: 015
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Storella, John R. REGISTRATION NUMBER: 32
                                                                                                                                                                                                                               ZIP:
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                                                                                                                                                                                                                                            USA
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/ENTION: Mammalian Telomerase
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Funk, Walter
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PRIOR APPLICATION DATA

APPLICATION NUMBER:

JMBER: US 08/472,802 7-JUN-1995

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; OTHER INFORMATION: Antisense Oligonucleotide US-10-174-020-71
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US-10-174-020-71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; STRANDEDNESS: BINGLE
TOPOLOGY: linear
; MOLECULE TYPE: DNA (oligonucleotide)
US-08-521-634-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 71, Application US/10174020
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF HYPOTHETICAL TUMOR ENDOTHELIAL MARKER EXF
FILE REFERENCE: RTS-0369
CURRENT APPLICATION NUMBER: US/10/174,020
CURRENT FILING DATE: 2002-06-17
                                                                 CURRENT APPLICATION NUMBER: US/10/174,020
CURRENT FILING DATE: 2002-06-17
NUMBER OF SEQ ID NOS: 149
SEQ_ID_NO_138
                                                                                                                                                                        Sequence 138, Application US/10174020
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF HYPOTHETICAL TUMOR ENDOTHELIAL MARKER EXE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 149
SEQ ID NO 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 100.0%; Score 20; DB 9; Length 31; Best Local Similarity 100.0%; Pred. No. 1e+02; Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/272
FILING DATE: 7-UL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Dunn, Tracy J.
REGISTRATION UNUMBER: 134,587
REFERENCE/DOCKET NUMBER: 1538
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
                                                                                                                                                           FILE REFERENCE: RTS-0369
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 17:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Artificial Sequence FEATURE:
  ORGANISM: H. sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 31 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ch 79.0%; Score 15.8; DB 41; Length 20; 1 Similarity 89.5%; Pred. No. 7.2e+03; 17; Conservative 0; Mismatches 2; Indels (
                                                                                                                                                                                                                                                                                                                                                                                                                                1 cerrecrerrecreece 19
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                                                                                          OTHER INFORMATION: Description of Artificial Sequence: Primer PCT-US01-42432-18
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US-10-174-020-138
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Query Match 76.1
Best Local Similarity 85.1
Matches 17; Conservative
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Best Local (
                                                                                                                                                      ORGANISM: Artificial Sequence
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les 17; Conserv
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                      76.0%;
85.0%;
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Score 15.2; DB 1; Pred. No. 1.4e+04; 0; Mismatches 3;

Length 24; Indels

0,

Gaps

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; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primers
PCT-US01-30828-5
                                                                                                                                                                                                                                                                                                                                         PCT-US01-42432-18/c
; Sequence 18, Application PC/TUS0142432
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: GARTÍSON, LOTÍK.

TITLE OF INVENTION: GENOTYPING BY LIQUID CHROMATOGRAPHIC ANALYSIS OF SHORT TITLE OF INVENTION: MUCLEIC ACID FRAGMENTS
FILE REFERENCE: 480188.403PC
CURRENT APPLICATION NUMBER: PCT/US01/30828
CURRENT FILING DATE: 2001-10-01
PRIOR APPLICATION NUMBER: 60/300,350
PRIOR FILING DATE: 2001-06-21
NUMBER OF SEQ ID NOS: 10
SOCTWARE: Patentin Ver. 2.1
SEQ ID NO 5
LENGTH: 24
APPLICANT: Kock Graduate Institute
APPLICANT: Van Ness, Jeffrey
APPLICANT: Van Ness, Jeffrey
APPLICANT: Galas, David J.
APPLICANT: Garrison, Lori K.
TITLE OF INVENTION: METHODS FOR PARALLEL MEASUREMENT OF GENETIC VARIATIONS
FILE REFERENCE: 480188 402PC
CURRENT APPLICATION NUMBER: PCT/US01/42432
CURRENT FILING DATE: 2001-10-01
PRIOR APPLICATION UNMBER: 60/269,244
PRIOR FILING DATE: 2001-02-15
NUMBER OF SEQ ID NOS: 28
SOFTWARE: PATENTIN Ver. 2.1
SEQ ID NO 18
LENGTH: 24
TWORD: NUMB
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Best Local Similarity 89.5
Matches 17; Conservative
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APPLICANT: Van Ness, Jeffrey
APPLICANT: Galas, David J.
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ORGANISM: Artificial Sequence
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89.5%; Pred. No: 7.2e+03;
ative 0; Mismatches 2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 24;
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RESULT 12
US-08-913-665-14/c
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; TYPE: DNA
; ORGANISM: Mus musculus
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank U41285
US-60-234-017-52883
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-60-234-017-52883/c
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; ORGANISM: Mus musculus
US-09-956-584-18655
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                                                           Sequence 14, Applicat GENERAL INFORMATION: APPLICANT: Saiga,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: Mittman
APPLICANT: Affymet
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 52883, Application US/60234017
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 72.0%;
Best Local Similarity 93.8%;
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                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 52883
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                                                                                                                                                                                                                                              Matches
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TITLE OF INVENTION: musculus
FILE REFERENCE: 3115
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TITLE OF INVENTION: Methods of Genetic Analysis of Mus Musculus
FILE REPERBOCE 3115.1
CURRENT APPLICATION NUMBER: US/09/956,584
CURRENT FILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 60/234,017
PRIOR APPLICATION NUMBER: 60/234,017
PRIOR FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605887
NUMBER OF SEQ ID NOS: 605887
                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/60/234,017
CURRENT FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605887
SOPTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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                            APPLICANT:
APPLICANT:
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                                                                                            Application US/08913665
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Sakaguchi, Gaku
           Igarashi, Hisanaga
Okumura, Kouichi
                                            Saiga, Akihiko
Orita, Satoshi
                                                                                                                                                                                                                                           Conservative
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                                                                                                                                                                                                                                                          72.0%;
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Pred. No. 3.1e+04;
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Pred. No. 3
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                                                                                                                                                                                                                                                                        Length 25;
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RESULT 13
US-09-671-346-8/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
NAME: Haley, James F.
REGISTRATION NUMBER: 27,794
REFERENCE/DOCKET NUMBER: SHGN
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-596-9000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: other nucleic acid DESCRIPTION: /desc = "synthetic DNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS LENGTH: 29 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION:
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OPERATING SYSTEM:
SOFTWARE: PatentI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: Z12-5.
TELEPHONE: Z12-596-9090
TD NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/0 FILING DATE: 19-SEP-1997 CLASSIFICATION: 536
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE:
                                                                                                                         MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PAtentin Release #1.0, Version
CURRENT APPLICATION DATA:
                                                                      APPLICATION NUMBER: US/09/671,346
FILING DATE: 27-Sep-2000
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                  ZIP: 20004
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Morgan, Lewis & Bockius LLP
STREET: 1111 Pennsylvania Avenue, NW
                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: Agents Affecting Thrombosis and Hemostasis
                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Wolf, David L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     21 TACTCTTCCTGCGGCC
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APPLICATION NUMBER: US 07/578,646
FILING DATE: 1990-09-04
APPLICATION NUMBER: US 07/808,329
FILING DATE: 1991-12-16
                                                                                                                                                                                                                                                                         CITY: Washington
STATE: DC
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SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .2e+04;
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Sequence 421837/c

Sequence 421837, Application US/60353987

GENERAL INFORMATION:

APPLICANT: Mittmann, Michael

TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133

FILE REFERNCE: 3121

CURRENT APPLICATION NUMBER: US/60/353,987

CURRENT FILING DATE: 2002-02-01

NUMBER OF SEQ ID NOS: 997516

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 421837

LENGTH: 25

TYPE: DNA

CORANISM: Homo sapien

US-60-353-987-421837
Sequence 71, Application US/09832355A
GENERAL INFORMATION:
APPLICANT: Kowsedi, Inre
APPLICANT: Kowseler, Paul
TITLE OF INVENTION: VEEF FUSION PROTEINS
FILE REFERENCE: 205654
CURRENT APPLICATION NUMBER: US/09/832,355A
CURRENT FILING DATE: 2001-04-10
CURRENT FILING DATE: 2001-04-10
NUMBER OF SEQ ID NOS: 126
SOFTWARE: PatentIn version 3.0
                                                                                                                                                                                                                        RESULT 15
US-09-832-355A-71/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 08/249,777
FILING DATE: 1994-05-26
APPLICATION NUMBER: US 08/268,003
FILING DATE: 1994-06-29
APPLICATION NUMBER: US 08/469,301
FILING DATE: 1994-06-29
APPLICATION NUMBER: US 09/016,403
FILING DATE: 1998-01-30
APPLICATION NUMBER: US 09/362,207
FILING DATE: 1998-01-30
APPLICATION NUMBER: US 09/362,207
FILING DATE: 1999-07-28
ATTORNEY/AGENT INFORMATION:
NAME: Michael S. Tuscan, Ph.D.
REGISTRATION NUMBER: 43,210
REFERENCE/DOCKET NUMBER: 44481-5002-15-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 739-3001
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 42 base pairs
TYPE: mucleic acid
TOROLOGY: 11061
                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local S
Matches 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 72.0%; Score 14.4; DB 26; Length 42; Best Local Similarity 93.8%; Pred. No. 3.3e+04; Matches 15; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                 20 CGTACCTCTCTCTGCGGCC 2
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Pred. No. 3.8e
0; Mismatches
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Gaps

<u>,,</u>

Search completed: June 25, 2003, 06:20:21 Job time : 1698.67 secs

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Minimum
Maximum
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Maximum Match 100%
Listing first 45 s
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Perfect score:
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     Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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DB seq length:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /cgn2 6/ptodata/2/ina/5A COMB.seq:*/cgn2 6/ptodata/2/ina/5B COMB.seq:*/cgn2 6/ptodata/2/ina/6A COMB.seq:*/cgn2 6/ptodata/2/ina/6B COMB.seq:*/cgn2 6/ptodata/2/ina/6B COMB.seq:*/
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/cgn2_6/ptodata/2/ina/backfiles1.seq:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
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                   US-08-770-565-3
US-08-833-377-7
US-08-833-377-14
US-08-833-377-14
US-08-833-377-14
US-08-833-377-14
US-08-913-641-39
US-08-672-213-49
US-08-672-213-49
US-08-672-213-49
US-08-973-131-38
US-08-973-131-38
US-08-917-6862-17
US-08-917-6862-17
US-08-211-202-15
US-08-307-083-22
US-08-307-083-22
US-08-307-089-18
US-08-691-123-8
US-08-691-123-8
US-08-691-123-8
US-08-691-123-8
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             Sequence 3, Appli
Sequence 7, Appli
Sequence 2, Appli
Sequence 14, Appl
Sequence 14, Appl
Sequence 14, Appl
Sequence 15, Appl
Sequence 15, Appl
Sequence 38, Appl
Sequence 17, Appl
Sequence 1, Appl
Sequence 1, Appl
Sequence 1, Appl
Sequence 17, Appl
Sequence 17, Appl
Sequence 11, Appl
Sequence 11, Appl
Sequence 22, Appl
Sequence 38, Appl
Sequence 18, Appl
Sequence 8, Appli
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US-08-770-565-3
                                              Matches
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| 45 | 44 | 43 | 42 | 41 | 40 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 | 28 |
| 12.2 | 12.2 | 12.2 | 12.2 | 12.4 | 12.4 | 12.4 | 12.4 | . 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 | 12.8 | 12.8 | 12.8 |
| 61.0 | 61.0 | 61.0 | 61.0 | 62.0 | 62.0 | 62.0 | 62.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 64.0 | 64.0 | 64.0 |
| u u | 24 | 20 | 20 | 20 | 20 | 20 | 20 | 49 | 49 | 37 | 37 | 37 | 30 | 30 | 42 | 28 | 28 |
| <u>, , , , , , , , , , , , , , , , , , , </u> | ω | 4 | 4 | v | IJ | μ | ب | 4 | 4. | 4. | N | _ | σ | 4 | w | 4 | N |
| US-08-078-683A-22 | US-08-936-632B-16 | US-09-851-896-86 | US-09-487-368A-127 | PCT-US94-02891-33 | PCT-US94-02891-6 | US-08-031-143B-33 | US-08-031-143B-6 | US-09-538-709-978 | US-09-538-709-935 | US-09-345-294-10 | US-08-938-534-10 | US-08-431-080-10 | PCT-US95-15716-48 | US-08-348-548-48 | US-08-863-813A-58 | US-09-225-928-40 | US-08-859-998-40 |
| Sequence 22, Appl | Sequence 16, Appl | Sequence 86, Appl | Sequence 127, App | Sequence 33, Appl | Sequence 6, Appli | Sequence 33, Appl | Sequence 6, Appli | Sequence 978, App | Sequence 935, App | Sequence 10, Appl | Sequence 10, Appl | | | Sequence 48, Appl | | | Sequence 40, Appl |

ALIGNMENTS

Application US/08770565

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; MOLECULE TYPE: US-08-770-565-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 3, Appli
Patent No. 584672
Query Match 100.0%; Score 20; Best Local Similarity 100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:

APPLICANT: Kim, Nam Woo
APPLICANT: Wu, Fred
APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ronald
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component
TITLE OF INVENTION: Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, '

CURRENT APPLICATION DATA:
                                                                                                                                                                                                      INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 0153
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 2.
                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US/0 FILING DATE: 20-DEC-1996 CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: Two Embarcae
CITY: San Francisco
                                                                                                                                                                                                                           TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      E: TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                           415-576-0300
                                                                                 linear
3: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                   PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                             US/08/770,565
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                 Length 20;
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20; Conservative

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Mismatches

0; Indels

0;

Gaps

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RESULT 3
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APPLICANT: Lichtsteiner, Serge P.
APPLICANT: Vasserot, Alain P.
APPLICANT: Pruzan, Ronald A.
APPLICANT: Kealey, James
                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 04-APR-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/510,736
FILING DATE: 04-AUG-1995
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (415) 576-03
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REPERENCE/DOCKET NUMBER: 01:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPAY. (415)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: - LOCATION: 1..20
OTHER INFORMATION: /note= "Oligo 14ab"
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ZIP: 94111-3834
                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRANDEDNESS:
TOPOLOGY: lir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US/08/833,377 FILING DATE: 04-APR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: San Francisco
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                                                                                                                                                                                                                                                                       h 100.0%; Score 20; DB 2
Similarity 100.0%; Pred. No. 0.95;
20; Conservative 0; Mismatches
                                                                                                                                                                                                                                   CGTTCCTCTTCCTGCGGCCT 20
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                                                                                                 Application US/08770565
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               E: Townsend and Townsend and Crew LLP
Two Embarcadero Center, Eighth Floor
Kim, Nam Woo
Wu, Fred
Kealey, James T.
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SS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                               DNA
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: Purified Telomerase
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Matches
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TELEPAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LEGITH: 30 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 94111-3814
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
FILING DATE: 20-DEC-1996
                                                                                                                                                                                                                                                                                                                                                 NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 011
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION:
ATTORNEY/AGENT IN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Weinrich, Ronald
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Wethods for Detecting the RNA Component of
TITLE OF INVENTION: Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                              MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP STREET: Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY:
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                                     1 cerrecrererececce 20
                                                                         Similarity 100 20; Conservative
cerrecricerecescer 20
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                                                                                             100.0%;
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                                                                              Score 20; DB
Pred. No. 0.9
0; Mismatches
                                                                                                DB 2; Length 30;
0.99;
                                                                              Indels
                                                                              0;
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US-08-833-377-14
US-08-833-377-14
Sequence 14, Application US/08833377
Patent No. 5968506
GENERAL INFORMATION:
APPLICANT: Weinrich, Scott L.
APPLICANT: Atkinson III, Edward M.
APPLICANT: Lichtesteiner, Serge P.
APPLICANT: Vasserot, Alain P.
APPLICANT: Vasserot, Alain P.
APPLICANT: Kealey, James T.
TITLE OF INVENTION: Purified Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Sun Francisco
STATE: California

ZIP: 94111-JU.
COMPUTER READABLE FORM:
COMPUTER: REPOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPETWARE: Patentin Release #1.0, Version #1.30

COUNTRY: USA

APPLICATION NUMBER: APPLICATION DATA:

US 08/510,736

04-APR-1997

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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/933,803
PILING DATE: 19-SEP-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                  COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Igarashi, Hisanaga
APPLICANT: Okumura, Kouichi
APPLICANT: Sakaguchi, Gaku
TITLE OF INVENTION: DNA MOLECULE RELATING TO SUPPRESSION OF
TITLE OF INVENTION: GENE EXPRESSION AND NOVEL PROTEIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: 01
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPAX: (415) 576-0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Saiga, Akihiko
APPLICANT: Orita, Satoshi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: DNA
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les 19; Conserv
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OTHER INFORMATION:
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                                                                   CLASSIFICATION:
                                                                                    FILING DATE
                                                                                                                                                                                                                                        COUNTRY:
                                                                                                                                                                                                                                                                                            STREET:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Storella, John R. REGISTRATION NUMBER: 32,944
                                                                                                    APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                            ADDRESSEE:
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/note= "N = 5' biotinylated cytidine"
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Pred. No.
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                                                                                                                                    Version #1.30
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US-08-933-803A-14/c
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Matches
 Query Match 72.
Best Local Similarity 93.
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 14,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
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                                                                                                                                                                              TELEFAX: 212-596-9090 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
NAME: Haley, James F.
REGISTRATION NUMBER: 27,794
                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: SI
TELECOMMUNICATION INFORMATION
                                                                                                                                                                 SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                             SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "synthetic DNA"
                                                                                        MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local
                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US/0: FILING DATE: 19-SEP-1997
                                                                                                      TOPOLOGY:
                                                                                                                   STRANDEDNESS:
                                                                                                                                                                                                          TELEPHONE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY:
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                                                                                                                                                   ENGTH:
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                                                                                                                                  nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New York
New York
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Okumura, Kouichi
Okumura, Kouichi
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                                                                                                                                                  29 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                       USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                        linear
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                                                                                                                                                                                                               212-596-9000
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                                                                         other nucleic acid
/desc = "synthetic
                                                                                                                 single
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93.8%;
               72.0%;
93.8%;
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Score 14.4; DB 4;
Pred. No. 3.3e+02;
0; Mismatches 1;
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Pred. No. 3
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                                                                          DNA"
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                            Length 29;
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Indels

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US-09-418-641-39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 93.0
                                                                                                                                                                                                                                                                                              Sequence 39, App
Patent No. 61241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

COMPUTER: PR PC COMPACE

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION UNMBER: US/08/487,037

FILING DATE: 07-JUN-1995

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: AGIST ACTON MUMBER: 2803-0002.02

REGISTRATION NUMBER: 2803-0002.02

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:
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                                                                                SEQ ID NO 39
LENGTH: 20
                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                     APPLICANT: Jennifer K. Taylor
APPLICANT: Lex M. Cowsert
TITLE OF INVENTION. ANTISENSE MODULATION OF FRA-1 EXPRESSION
FILE REFERENCE: RTS-0105
CURRENT APPLICATION NUMBER: US/09/418,641A
CURRENT FLLING DATE: 1999-10-15
NUMBER OF SEQ ID NOS: 89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: (202) 887-0763
TELEX: 90-4030
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
OTHER INFORMATION: Antisense Oligonucleotide
                                    RGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REPLICANT: Wolf, David L.

FITLE OF INVENTION: RECOMBINANT AGENTS AFFECTING THROMBOSIS

NUMBER OF SEQUENCES: 11

CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 42 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: USA
ZIP: 20006-1812
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET: 2000 Pennsylvania Avenue, NW
CITY: Washington
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Pred. No. 3.4e+02;
0; Mismatches 1;
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       RESULT 10
US-08-672-213-8/c
US-08-672-213-8/c
; Sequence 8, Application US/08672213
parent No. 6306649
parent No. 6306649
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RESULT 9
US-08-576-626A-15/c
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US-08-576-626A-15
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                                              Query Match
Best Local Similarity 88.4
15; Conservative
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                                                                                                                                                                                                                                                               PILING DATE: 21-DEC-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA: APPLICATION NUMBER: PILING DATE: INFORMATION: NAME: Dianne Casuto NAME: Dianne Casuto NAME: Dianne Casuto NAME: Dianne Casuto NAME: DIANNE NUMBER: 940,943
REGISTRATION UNUMBER: 5857
TELECOMMUNICATION INFORMATION: TELEPRONE: (847) 938-3137
TELEPRONE: (847) 938-2623
                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIOW TYPE: Diskette
COMPUTER: IBM Compatible
COMPUTER: TEM COMPATION SYSTEM: DOS
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 2.0
CURRENT APPLICATION NATA:
APPLICATION NUMBER: US/08/576,6
FILING DATE: 21-DEC-1995
                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 31 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES: 60

CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: Illinois
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PPLICANT: Donadio, S.
PPLICANT: Staver, M.J.
PPLICANT: Staver, M.J.
PPLICANT: STAVER, M.J.
PPLICANT: STAVER, M.J.
PPLICANT: DONATHESIS GENES
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nucleic acid
NDEDNESS: single
NOGY: linear
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                             4 rccrcrrccrececci 20
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                                                                  69.0%; Score 13.8; DB 2;
88.2%; Pred. No. 6.1e+02;
ative 0; Mismatches 2.
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Pred. No. 5.9e
0; Mismatches
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les 2;
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GILMAN, Michael Z.

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Best Local !
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STALL
COUNTRY:
ZIP: 02139-4234
ZIP: 02139-4234
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: IBM PC compatible
TOMPUTER: IBM PC compatible
TOMPUTER: PC-DOS/MS-DOS
TOTIN Release #1.0, Ve
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ZIP: 02139-4234
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
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NFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US 60 FILING DATE: 29-DEC-1995 ATTORNEY/AGENT INFORMATION:
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PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: ARIAD Gene Therapeutics, Inc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: CDNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: GILMAN, Michael Z.
APPLICANT: NATESAN, Sridaran
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES:
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SOFTWARE: PatentIn Release #1.0, Version #1.30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US/08/672,213 FILING DATE: 27-JUN-1996
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: BERSTEIN, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ENGTH:
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26 Landsdowne Street
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USE OF HETEROLOGOUS TRANSCRIPTION
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                                                                                                                                                                                                                                                                                                                                                               Street
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Pred. No. 6.
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                                                               Version #1.30
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                                                                                                                    ; OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-973-131-38
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 12
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                                                                                                                                                                                           SEQ ID NO 38
LENGTH: 33
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EARLIER FILING DATE: 1994-12-29
NUMBER OF SEQ ID NOS: 75
                                                                                                                                                                                                                                                                                                               FILE REFERENCE: APV-022.02
CURRENT APPLICATION NUMBER: US/08/973,131
CURRENT FILING DATE: 1998-03-16
                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Pomerantz, Joel L.
APPLICANT: Sharp, Phillip A.
APPLICANT: Pabo, Carl O.
TITLE OF INVENTION: Chimeric DNA-binding proteins
                                                                                                                                                                                                                          SOFTWARE:
                                                                                                                                                                                                                                                                                      EARLIER APPLICATION NUMBER: PCT/US95/16982
EARLIER FILING DATE: 1995-12-29
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                                                                                                                                                TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
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                                                                      Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REGISTRATION NUMBER: 31,235
REFERENCE/DOCKET NUMBER: ARIAD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US 6 FILING DATE: 29-DEC-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: FILING DATE: 27-JUN
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                                                                      Similarity
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88.2%;
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                                                                     Score 13.8; DB 4;
Pred. No. 6.2e+02;
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Pred. No. 6.2e+02
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RESULT 13 US-08-534-479-1

; Sequence 1, Application US/08534479

REPLICANT: GRAY, JOE W. REPLICANT: WEIER, HEINZ-ULRICH G. FITLE OF INVENTION: QUANTITATIVE FIBER MAPPING

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Query Match
Similarity
93.3%; Pered. No. 8.9e+02;
Matches
14; Conservative
0; Mismatches
1;
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SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PACENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/534,479
FILING DATE:
CLASSIFICATION: 435
CCLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: MACKNIGHT, KAMRIN T.
REGISTRATION NUMBER: 38,230
REFERENCE/DOCKET NUMBER: LBI
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: MEDLEN & CARROLL
STREET: 220 MONTGOMERY STREET, SUITE 2200
               COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION NUMBER: US/09/009,913
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                                                                                                                                                                                                                                                                                                     E OF INVENTION:
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E OF INVENTION: Asthma Related Genes 
ER OF SEQUENCES: 339
                                                                                                                                                                                                                                                                                                                                                            173, Application US/09009913
o. 6087485
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285 Hamilton Ave, Suite 200
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Search completed: June 25, 2003, 00:24:35 Job time: 31.3586 secs
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                                                                                                                                                                                                             FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:synthetic US-09-176-862-17
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US-09-176-862-17/c
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                                                                                                                                                                                                                                                                                  APPLICANT: Power, Christopher
APPLICANT: Mayne, Michael B.
TITLE OF INVENTION: ANTISENSE OLIGODEOXYNUCLEOTIDES REGULATING EXPRESSION
TITLE OF INVENTION: OF TWP-ALPHA
FILE REFERENCE: 3045.00002
CURRENT APPLICATION NUMBER: US/09/176,862B
CURRENT FILING DATE: 1998-10-22
EARLIER APPLICATION UNMBER: 60/062,718
EARLIER FILING DATE: 1997-10-22
NUMBER OF SEQ ID NOS: 33
SOFTWARE: Patentin Ver. 2.0
LENGTH: 23
TWORD: NNA
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Best Local Similarity 83.3%; Pred. No. 1.
Matches 15; Conservative 0; Mismatche
                                                                                                                                                       Query Match 66.0%; Score 13.2; DB 3; Length 23; Best Local Similarity 83.3%; Pred. No. 1.1e+03;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
GTBANDEDNEGG: dimile
                                                                                                                                                                                                                                                                ORGANISM: Artificial Sequence
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ATTORNEY/AGENT INFORMATION
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REFERENCE/DOCKET NUMBER:
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                                                                                                                                           Conservative
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linear
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Title:
Perfect score:
Sequence:
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20
1 CGTTCCTCTTCCTG
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Gapop_60.0 , Gapext 60.0
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                                                                                                                                   gb_est1:*
gb_est2:*
gb_htc:*
gb_est3:*
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| AZ392980 | BH850686 | AZ942099 | AL767395 | AZ830358 | AZ974736 | Query Score Match Length DB ID |
| AZ392980 1M0155P13 | BH850686 SALK 0716 | AZ942099 2M0202C09 | | AZ830358 2M0109M04 | AZ974736 2M0249A03 | Description |

| | | 4 4 4 5 | 4. | 41 | 40 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | ø | œ | 7 |
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| | 50 | סכ | 3 5 | 50 | 50 | 49 | 48 | 48 | 47 | 47 | 47 | 46 | 46 | 46 | 45 | 45 | 45 | 44 | 43 | 43 | 42 | 41 | 41 | 37 | 37 | 35 | 32 | 32 | 32 | 29 | 28 | 27 | 50 | 50 | 46 | 45 | 43 | 40 |
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| | AU10428 | | | AU102702 | | | BH84062 | AZ44372 | | AZ78447 | | | | AA052 | AL754 | AZ843 | AZ65 | AZ761 | د | | | BH625029 | | | | | | | AZ58775 | AZ794 | N92455 | AZ63017 | | AU102 | BI48850 | AZ42399 | AZ41909 | AZ627381 |
| | 283 | AU104281 AU104281 | O/3 AU | 02702 | 59 qv39f04 | 2962 ok4 | Ф | 23 1M0238 | 13 2M014 | 78 2M0027K0 | ĸ | yo45£03.r | an12a01. | 7 | 754108 Arabidop | 2M014 | 1M0533M0 | 1M0555G | ~ | 7p68h12 | 10080 | BH625029 1007102B0 | 1M043 | 1M0556D0 | | 1M037 | | 792853 2M004 | 757 1M039 | 9 2M0047H | 5 zb63h01.s | 0179 1M0483B1 | BI685073 603310058 | 29 AU1026 | 502 603021 | 423992 1M0203A1 | 419099 1M0195N2 | AZ627381 1M0469H09 |

ALIGNMENTS

| | JOURNAL COMMENT | TITLE | ORGANISM REFERENCE AUTHORS | ACCESSION VERSION KEYWORDS SOURCE | RESULT 1 AZ974736/c LOCUS DEFINITION |
|--|---|--|---|--|--|
| University of Utah Genome Center University of Utah Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA Tel: 801 585 5606 Fax: 801 585 7177 Email: ddunn@genetics.utah.edu Insert Length: 10000 Std Error: 0.00 | Diasmid inserts Unpublished (2000) Contact: Robert B. Weiss | 181am, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Rellly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R. Mouse whole genome scaffolding with paired end reads from 10kb | Mus musculus Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 38) Dunn, D., Ayagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., | AZ974736 GI:13845963 GSS. house mouse. | AZ974736 38 bp DNA linear GSS 27-APR-2001 2M0249A03R Mouse 10kb plasmid UUGC2M library Mus musculus genomic |

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REFERENCE
AUTHORS
                                                                                                                                                                                                                                                                                                                                                                                                                                  KEYWORDS
SOURCE
ORGANISM
                                                                                                                                                                                 JOURNAL COMMENT
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VERSION
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AZ830358
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ORIGIN
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Best Local S
Matches 12
                                                                                                                                                                                                                                                   TITLE
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                                                                                                                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 43)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
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Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AZ830358 43 bp DNA linear GSS 20-FEB-2001
2M0109M04R Mouse 10kb plasmid UUGCIM library Mus musculus genomic
clone UUGC2M0109M04 R, DNA sequence.
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12; Conserv
                                                                                                                University of Utah
University of Utah
Rm. 308, Biomedical
                                                                                                                                                                                                    Mouse whole genome plasmid inserts Unpublished (2000)
                                                                                                                                                                                                                                                                                                                                                                                                                                  Mus musculus
                                                                                                                                                                                 Contact: Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AZ830358.1 GI:13000266
                                                                                                                                                                                                                                                                                                                                                                                                                                                       house mouse.
Smail: ddunn@genetics.utah.edu
[nsert Length: 10000 Std Error: 0.00
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                                            801 585 5606
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 //Bex="remark"
//lab host="E. coli strain XIII-Gold, TI-resistant, F-"
//lab host="E. coli strain XIII-Gold, Tom M.
musculus C57BI/6J (female) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was bytordynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polymucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptored mouse DNA was annealed to
adaptored vector DNA, and transformed into
chemically-competent E. coli XIIO-Gold (Stratagene) cells
and selected for ampicillin resistance."
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                                                                                           USA
                                                                                                           Biomedical Polymers Research Bldg.,
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/sex="Female"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /db_xref="taxon:10090"
/clone="UUGC2M0249A03"
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strain="C57BL/6J"
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100.0%; Pred. No. 2.2e+04;
tive 0; Mismatches 0;
                                                                                                                                                          Genome Center
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                                                                                                           2030 E.,
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23 TTCCTCTTCCTG 34
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Arabidopsis thaliana
Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Spermatophyta; Magnoliophyta; eudicotyledons; Arabidopsis.
Rosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
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Arabidopsis thaliana T-DNA flanking
genomic survey sequence.
AL767395
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12; Conserv
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Seg primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 43.
Location/Qualifiers
3 (bases 1 to 46)
11,Y., Rosso,M., Strizhov,N. and Weisshaar,B.
Direct Submission
Submitted (17-JUN-2002) Weisshaar B., Max-Planck-Institut fuer
                                                                                                                             Rosso,M., Strizhov,N., Li,Y., Reiss,B., Dekker,K. and Weisshaar,B. A new Arabidopsis thaliana T-DNA mutagenised population (GABI-Kat) for flanking sequence tag based reverse genetics uppublished
                                                                                                                                                                                                                                                                                                                                        Strizhov,N., Li,Y., Rosso,M., Viehoever,P., Dekker,K., Saedler,H. and Weisshaar,B.
A pipelline for automated high-throughput generation of FSTs (flanking sequence tags) from Arabidopsis thaliana T-DNA transformed lines
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GSS.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             60.0%; Score 12; DB 17; Length 43; llarity 100.0%; Pred. No. 2.2e+04; Conservative 0; Mismatches 0; Indels
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/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/67 (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
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/strain="C57BL/6J"
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clone="UUGC2M0109M04"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DNA linear GSS 18-JUN-2002 sequence GK-219A03-014202,
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http://www.mpiz-koeln.mpg.de/GABI-Kat/.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                 Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R. and Wright, D., Weiss, R. Mouse whole genome scaffolding with paired end reads from 10kb house whole genome scaffolding with paired end reads from 10kb
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                                                                                                                  Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error:
Plate: 0202 row: C column: 09
Seq primer: CGTTGTAAAACGACGGCCAGT
                                                                                                                                                                                                                                                                                 University of Utah Genome Center University of Utah
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 26)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mus musculus
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                                                                                                                                                                                                                                                                                                                            Contact: Robert B.
                                                                                                                                                                                                                                                                                                                                                 Unpublished (2000)
                                                                                                                                                                                                                                                                                                                                                                  plasmid inserts
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801 585 7177
                                                                              quality sequence stop: 26.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             were directly sequenced to determine the genomic sequence flanking the insertion. Sequences displaying significant similarity to the A. thalaina nuclear genome sequence were
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /clone_lib="Arabidopsis thaliana T-DNA insertion lines"
/note="PCR was performed on DNA from Arabidopsis thaliana
plants (T1) which were transformed with the T-DNA from
vector pAC161. The lines contain one or more T-DNA
insertions. The DNA fragment(s) resulting from the PCR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             removed"
/strain="C57BL/6J"
                   organism="Mus musculus"
                                                         ocation/Qualifiers
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/clone="GK-219A03-014202"
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Pred. No. 2.2e+04;
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BH850686 33 bp DNA linear GSS SALK 071692.32.90.x Arabidopsis thaliana TDNA insertion Arabidopsis thaliana genomic clone SALK 071692.32.90.x,
                                                                                                                                                                                                                                                                                                                                                   Salk Institute Genomic Analysis Laboratory (SIGnAL)
The Salk Institute for Biological Studies
10010 N. Torrey Pines Road, La Jolla, CA 92037, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Arabidopsis Genome 
Unpublished (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Alonso,J.M., Leisse,T.J., Barajas,P., Chen,H.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
                                                                                                                                                                                                                                                                                               Tel: 858 453 4100 x1752 Fax: 858 558 6379
                                                                                                                                                                                                                                                                                                                                                                                                                                                Contact: Joseph R. Ecker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Arabidopsis thaliana
                                                                                                                                                                         Class: TDNA tagged
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Zimmerman,J. and Ecker,J.R.
Sequence-Indexed Library of Insertion Mutations in
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                                                                                                                                                                                                                                                                   ecker@salk.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance." 0 c 16 g 0 t
/clone="SALK_071692.32.90.x"
                        /strain="Columbia 0"
/db_xref="taxon:3702"
                                                                                      organism="Arabidopsis thaliana"
                                                                                                                                              Location/Qualifiers
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/sex="Female"
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/clone="UUGC2M0202C09"
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/note="Vector: PWD42nv; Purified genomic DNA from M.
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100.0%; Pred. No. 6.3e+04;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0155 row: P column: 13
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University of Utah Genome Center
University of Utah
Rm. 308, Biomedical bolumna
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
1 (bases 1 to 37)
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USA
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Location/Qualifiers
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/acc. mate // lab_host="E. Coli strain XL10-Gold, T1-resistant, F-" // lab_host="E. Coli strain XL10-Gold, From the Jackson Laboratory Mouse DNA Resource // laboratory Mouse DNA Resource // laboratory Mouse DNA Resource // laboratory // 
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/notes"PCR was performed on Arabidopsis thaliana lines
each of which contains one or more TDNA insertion
elements. The resultant fragment for each line was
directly sequenced to determine the genomic sequence at
the site of insertion. Details of the protocols used can
be found at http://signal.salk.edu/tdna_protocols.html"
a 16 c 1 g 11 t
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /organism="Mus musculus"
/strain="C57BL/60"
/db_xref="taxon:10990"
/clone="UUGCIM0155Pl3"
/clone_lib="Mouse 10kb plasmid UUGCIM library"
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LOCUS
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Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weise, R., Stokes, R., Tingey, A., von Rose, R., Mouse, Whole genome scaffolding with paired end reads from 10kb
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Erry
Plate: 0469 row: H column: 09
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University of Utah Genome Center
University of Utah
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igh quality sequence stop: 40.
Location/Qualifiers
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/note="Vector: PMD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA resources (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative
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/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0469H99"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
                                                                                                                                                                                                                                                                                                                                                                                                   'lab_host="E. Coli strain XL10-Gold, T1-resistant,
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Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0195 row: N column: 23
Seq primer: CGTTGTAAAACGACGGCCAGT
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Fax: 801 585 7177
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University of Utah
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Contact: Robert B. Weiss
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Unpublished (2000)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mouse whole genome scaffolding with paired end reads from 10kb
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                     (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Biomedical
                                                                                                                                                                                                                         /note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson
electrophoresis.
                                                                                                                                                                                                                                                                                                                                         /strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0195N23"
                                                                                                                                                                                                      aboratory Mouse DNA Resource
                                                                                                                                                                                                                                                                                               sex≃"Male"
                                                                                                                                                                                                                                                                                                               clone_lib="Mouse 10kb plasmid UUGC1M library"
                                                                                                                                                                                                                                                                                                                                                                                                          organism="Mus musculus"
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                                                                                                                                                                                                                                                                       lab_host="E. Coli strain XL10-Gold, T1-resistant,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Err
Plate: 0203 row: A column: 1
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Unpublished (2000)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1M0203A16F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0203A16 F, DNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Seq primer: CGTTGTAAAACGACGGCCAGTClass: plasmid ends
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Tel: 801 585 5606
Fax: 801 585 7177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              University of Utah
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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Location/Qualifiers
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                                                           (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through 0.005 inch orifice at constant ellocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative
                                                                                                                                                                                                           /lab_host="E. Coli strain XL10-Gold, T1-resistant, I
/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jack
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Biomedical Polymers Research Bldg.,
                                                                                                                                                                                         Laboratory Mouse DNA Resource
                                                                                                                                                                                                                                                                                                                     /db_xref="taxon:10090"
/clone="UUGC1M0203A16"
                                                                                                                                                                                                                                                                             sex="Male"
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                                                                                                                                                                                                                                                                                                                                                                                   organism="Mus musculus"
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Pred. No.
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BI488502/c
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleosto
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 46)

NIH-WCC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
                                                                                                                                                                                                                                                                                                                                                                                                                                          CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM11479 row: e column: 04
High quality sequence stop: 46.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Life Technologies, Inc.
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BI488502
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603021011F1 NH_MGC_114 Homo sapiens cDNA clone IMAGE:5191659 5',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Contact: Robert Strausberg, Ph.D.
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                                                      Similarity
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                                     Conservative
                                                                                                                                                                                                                                                                                                                 /organism="Homo sapiens"
/db xref="taxon:9606"
/clone="MAGE:5191659"
/clone_lib="NIH MGC_114"
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
                                                                                                                       /note-"Organ: brain; Vector: pCMV-SPORT6; Site_1: NotI; Site_2: EcoRV (destroyed); RNA source anonymous pool of 6 male brains, age range 23-27 yo. Library is oligo-dT primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.5 kb, insert size range 1.3 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 019. Note: this is a NIH MGC Library."
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0; Mismatches 0;
                                   Score 11; DB 13;
Pred. No. 6.9e+04;
0; Mismatches 0;
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1 (bases 1 to 50)
Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Hata,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
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Department of Virology
Institute of Medical Science, University of Tokyo
1-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki, Y., Yoshitomo-Nakagawa, K., Maruyama, K., Suyama, A. and Sugano
,S. Construction and characterization of a full length-enriched and
,S. conserviched cDNA library. Gene 200 (1-2), 149-156 (1997).
a 5'-end-enriched CDNA library.
Contact: Robert Strausberg, Ph.D.
Email: ggapbs-r@mail.nih.gov
Tissue Procurement: Jeffrey Green M.D.
CDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can
found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria, Rodentia; Sciurognathi; Muridae; Musinae; Mus. 1 (bases 1 to 50) NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC) Unpublished (1999)
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Sugano Homo sapiens
, mRNA sequence.
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/note="Differential display comparison of untreated and dimethylfumarate treated U937 cells"
a 10 c 18 g 9 t
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/db_xref="taxon:9606"
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                                                                                                                                                                                                                                                        Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: (
Plate: 0483 row: B column: 10
Seq primer: CACACAGGAAACAGCTATGACC
                                                                                                                                                                                                                                                                                                                                           Tel: 801 585 5606
Fax: 801 585 7177
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Mus musculus
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Plate: LLAM11879 row: c
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Location/Qualifiers
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University of Utah
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mouse whole genome scaffolding with paired end reads from 10kb
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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20 c 17 g 10 t
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/clone lib="NCI CGAP Mam6"
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/tissue_type="infiltrating ductal carcinoma"
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/clone="UUGC1M0483B10"
'lab_host="E. Coli strain XL10-Gold, T1-resistant, F
'note="Vector: PWD42nv; Purified genomic DNA from M.
                                             'sex="Male"
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100.0%; Pred. No. 7e
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MEDLINE COMMENT

TITLE JOURNAL

FEATURES

source

/clone_lib="Soares_fetal_lung_NbHL19W" /dev_stage="19 weeks"

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Query Match
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Mammalia; Eutheria;
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EST.
                                                                                                                                                                                                                       Trace considered overall poor quality
Insert Length: 866 Std Error: 0.00
                                                                                                                                                                                                                                                                                     This clone is available royalty-free through LLNL; IMAGE Consortium (info@image.llnl.gov) for further
                                                                                                                                                                                                                                                                                                                                           Email: est@watson.wustl.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                4444 Forest Park Parkway,
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Washington University School of Medicine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Contact: Wilson RK
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/db_xref="taxon:9606"
/clone="IMAGE:308305"
                                                                                     organism="Homo sapiens"
                                                                                                                                          ocation/Qualifiers
                                                     db_xref="GDB:1251718"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  50.0%; Score 10; DB 17; 100.0%; Pred. No. 2e+05;
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Primates;
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Gish, W., Hawkins
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RESULT 14 N92455 LOCUS

DEFINITION

문 á ORIGIN

Matches

Best Local

BASE COUNT

VERSION KEYWORDS

ACCESSION

SOURCE

ORGANISM

REFERENCE

AUTHORS

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REFERENCE
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KEYWORDS
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AZ794049/c
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                                                                                                                                                                                                                                                                                                                  Bource
                                                                                                                                                                                                                                                                                                                                Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0047 row: H column: 08
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 29.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mus musculus

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Eukaryota; Metazoa; Chordata; Sciurognathi; Muridae; Murinae; Mus.

1 (bases 1 to 29)

Dunn,D., AoyagilA., Barber,M., Beacorn,T., Duval,B., Hamil,C.,

Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.

and Wright,D., Weiss,R.

Mouse whole genome scaffolding with paired end reads from 10kb

Mouse whole genome scaffolding with paired end reads from 10kb

Inputational (2000)
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University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20
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29 bp DNA linear GSS 16-FEB-2001
2M0047H08R Mouse 10kb plasmid UUGCIM library Mus musculus genomic
clone UUGC2M0047H08 R, DNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Tel: 801 585 5606
Fax: 801 585 7177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Unpublished (2000)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    house mouse.
/organism="Mus musculus"
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/db xref="taxon:10090"
/db xref="taxon:10090"
/clone="UUGC2M0047H08"
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/clone="UUGC2M0047H08"
/clone="Wector: PMD42nv; Purified genomic DNA from M.
/note="Vector: PMD42nv; Purified genomic DNA from M.
/note="Vector: PMD42nv; Purified genomic from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/ocuments/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
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was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWB42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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BASE COUNT ORIGIN

Query Match Best Local Matches

10;

Conservative

Similarity

50.0%; Score 10; DB 17; Length 29; 100.0%; Pred. No. 2e+05; tive 0; Mismatches 0; Indels

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Search completed: June 23, 2003, 10:10:15 Job time: 1032.31 secs

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Minimum DB seq length: 0
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re greater than or equal to the score of the result being printed,
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1 PCT-US03-04088-26
1 PCT-US03-04088-29
6 US-09-905-688-11
9 US-10-310-188-34029
4 US-08-825-746-11
7 US-09-954-445A-45573
9 US-10-355-577-198249
9 US-10-355-577-233567
1 US-60-417-190-13946
2 US-60-417-190-13947
2 US-60-417-190-48933
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| Sequence 49318, A Sequence 114611, Sequence 80134, A | 7403, A 13116, 21805, | 15311, 28440, e 3651, 131778 | Sequence 98981, A Sequence 499, App Sequence 7801, Ap Sequence 3869, Ap | | Sequence 440978, Sequence 549003, Sequence 599225, Sequence 683575, Sequence 51737 A |

ALIGNMENTS

RESULT 1

PCT-US03-04088-26/c

; Sequence 26, Application PC/TUS0304088
; GENERAL INFORMATION:

| £CT_CACO_70 | ; OTHER INFORMATION: region | ; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sina | ; FEATURE: | ; ORGANISM: Artificial | ; TYPE: RNA | ; LENGTH: 19 | ; SEQ ID NO 26 | ; SOFTWARE: PatentIn version 3.2 | ; NUMBER OF SEQ ID NOS: 626 | ; PRIOR FILING DATE: 2003-01-15 | ; PRIOR APPLICATION NUMBER: US 60/440,129 | ; PRIOR FILING DATE: 2002-09-09 | ; PRIOR APPLICATION NUMBER: US 60/409,293 | ; PRIOR FILING DATE: 2002-09-05 | ; PRIOR APPLICATION NUMBER: US 60/408,378 | ; PRIOR FILING DATE: 2002-08-29 | ; PRIOR APPLICATION NUMBER: US 60/406,784 | ; PRIOR FILING DATE: 2002-06-06 | ; PRIOR APPLICATION NUMBER: US 60/386,782 | ; PRIOR FILING DATE: 2002-03-11 | ; PRIOR APPLICATION NUMBER: US 60/363,124 | ; PRIOR FILING DATE: 2002-02-20 | ; PRIOR APPLICATION NUMBER: US 60/358,580 | ; PRIOR FILING DATE: 2002-07-17 | ; PRIOR APPLICATION NUMBER: US 60/396,600 | ; CURRENT FILING DATE: 2003-04-28 | ; CURRENT APPLICATION NUMBER: PCT/US03/04088 | ; FILE REFERENCE: 02-708-A (400/080) | ; TITLE OF INVENTION: Expression Using Short Interfering RNA (sinA) | ; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene | •• | •• | |
|--|---|---|---|--|--|--|---|--|--|--|---|--|---|---|--|---|---|--|---|--|--|---|---|--|---|--|---|--|--|---|----|----|--|
| ozyme Pharmaceuticals, Inc. Swiggen, James igelman, Leonid TION: RNA Interference Mediated Inhibition TION: Expression Using Short Interfering i 202-708-A (400/080) ATION NUMBER: PCT/US03/04088 DATE: 2002-04-28 ION NUMBER: US 60/396,600 ATE: 2002-07-17 ION NUMBER: US 60/363,124 ATE: 2002-02-20 ION NUMBER: US 60/363,124 ATE: 2002-06-06 ION NUMBER: US 60/366,782 ATE: 2002-06-06 ION NUMBER: US 60/406,784 ATE: 2002-06-09 ION NUMBER: US 60/408,378 ATE: 2002-09-09 ION NUMBER: US 60/409,293 ATE: 2002-09-09 ION NUMBER: US 60/440,129 ATE: 2002-01-15 ID NOS: 626 ntIn version 3.2 TION: Description of Artificial Sequence: TION: region | Ribozyme Pharmaceuticals, Inc. McSwigelman, Leonid Beigelman, Leonid VENTION: RNA Interference Mediated Inhibition VENTION: Expression Using Short Interfering i NCE: 02-708-A (400/080) LICATION NUMBER: PCT/US03/04088 ING DATE: 2002-07-17 CATION NUMBER: US 60/396,600 G DATE: 2002-02-20 G DATE: 2002-03-11 CATION NUMBER: US 60/363,124 G DATE: 2002-03-11 CATION NUMBER: US 60/386,782 G DATE: 2002-06-06 G DATE: 2002-08-29 G DATE: 2002-08-29 G DATE: 2002-08-29 G DATE: 2002-09-05 CATION NUMBER: US 60/408,378 G DATE: 2002-09-05 CATION NUMBER: US 60/409,293 G DATE: 2002-09-05 CATION NUMBER: US 60/409,293 G DATE: 2002-09-05 CATION NUMBER: US 60/409,293 G DATE: 2002-09-05 CATION NUMBER: US 60/440,129 G DATE: 2003-01-15 EQ ID NOS: 626 Artificial Artificial Artificial | Ribozyme Pharmaceuticals, Inc. McSwiggen, James Beigelman, Leonid ROEWITION: RNA Interference Mediated Inhibition of VENTION: Expression Using Short Interfering RNA NCE: 02-708-A (400/080) LICATION NUMBER: PCT/US03/04088 ING DATE: 2003-04-28 CATION NUMBER: US 60/358,580 G DATE: 2002-07-17 CATION NUMBER: US 60/358,124 G DATE: 2002-03-11 CATION NUMBER: US 60/363,124 G DATE: 2002-03-11 CATION NUMBER: US 60/368,782 G DATE: 2002-08-29 G DATE: 2002-08-29 G DATE: 2002-09-05 CATION NUMBER: US 60/406,784 G DATE: 2002-09-05 CATION NUMBER: US 60/408,378 G DATE: 2002-09-05 CATION NUMBER: US 60/409,293 G DATE: 2003-01-15 EQ ID NOS: 626 atentIn version 3.2 | Ribozyme Pharmaceuticals, Inc. McSwiggen, James Beigelman, Leonid VENTION: RNA Interference Mediated Inhibition of VENTION: Expression Using Short Interfering RNA NCE: 02-708-A (400/080) LICATION NUMBER: PCT/US03/04088 ING DATE: 2003-04-28 CATION NUMBER: US 60/396,600 G DATE: 2002-07-17 CATION NUMBER: US 60/358,580 G DATE: 2002-08-29 G DATE: 2002-08-29 CATION NUMBER: US 60/406,784 G DATE: 2002-08-29 G DATE: 2002-09-05 G DATE: 2002-09-09 CATION NUMBER: US 60/440,129 G DATE: 2003-01-15 G DATE: 2003-01-15 EQ ID NOS: 626 atentIn version 3.2 | Ribozyme Pharmaceuticals, Inc. McSwiggen, James Beigelman, Leonid VENTION: RNA Interference Mediated Inhibition of VENTION: Expression Using Short Interfering RNA NCE: 02-708-A (400/080) LICATION NUMBER: PCT/US03/04088 ING DATE: 2003-04-28 CATION NUMBER: US 60/396,600 G DATE: 2002-07-17 CATION NUMBER: US 60/358,580 G DATE: 2002-03-11 CATION NUMBER: US 60/363,124 G DATE: 2002-03-11 CATION NUMBER: US 60/386,782 G DATE: 2002-06-06 G DATE: 2002-08-09 G DATE: 2002-09-05 G DATE: 2002-09-05 CATION NUMBER: US 60/408,378 G DATE: 2002-09-05 CATION NUMBER: US 60/409,293 G DATE: 2002-09-05 G DATE: 2003-01-15 G DATE: 2003-01-15 G DATE: 2003-01-15 G DATE: 2003-01-15 EQ ID NOS: 626 | Ribozyme Pharmaceuticals, Inc. McSwiggen, James Beigelman, Leonid Reigelman, Leonid RUNTION: RNA Interference Mediated Inhibition of VENTION: Expression Using Short Interfering RNA NCE: 02-708-A (400/080) LICATION NUMBER: PCT/US03/04088 LNIG DATE: 2003-04-28 CATION NUMBER: US 60/358,580 G DATE: 2002-07-17 CATION NUMBER: US 60/358,124 G DATE: 2002-03-11 CATION NUMBER: US 60/363,124 G DATE: 2002-03-12 G DATE: 2002-03-13 G DATE: 2002-08-29 G DATE: 2002-08-29 G DATE: 2002-09-05 G DATE: 2002-09-05 CATION NUMBER: US 60/408,378 G DATE: 2002-09-05 G DATE: 2002-09-05 CATION NUMBER: US 60/408,378 G DATE: 2002-09-05 CATION NUMBER: US 60/408,378 G DATE: 2002-09-05 CATION NUMBER: US 60/408,378 G DATE: 2003-01-15 EQ ID NOS: 626 atentIn version 3.2 | Ribozyme Pharmaceuticals, Inc. McSwiggen, James Beigelman, Leonid VENTION: RNA Interference Mediated Inhibition of VENTION: Expression Using Short Interfering RNA NCE: 02-708-A (400/080) LICATION NUMBER: PCT/US03/04088 LING DATE: 2003-04-28 CATION NUMBER: US 60/396,600 G DATE: 2002-07-17 CATION NUMBER: US 60/358,580 G DATE: 2002-03-11 CATION NUMBER: US 60/363,124 G DATE: 2002-03-12 G DATE: 2002-03-12 G DATE: 2002-05-16 G DATE: 2002-06-06 G DATE: 2002-06-06 G DATE: 2002-08-09 G DATE: 2002-09-05 G DATE: 2002-09-05 G DATE: 2002-09-05 G DATE: 2002-09-09 G DATE: 2002-09-09 G DATE: 2003-01-15 EQ ID NOS: 626 EQ ID NOS: 626 EQ ID NOS: 626 EQ ID NOS: 626 | Ribozyme Pharmaceuticals, Inc. McSwiggen, James Beigelman, Leonid VENTION: RNA Interference Mediated Inhibition of VENTION: Expression Using Short Interfering RNA NCE: 02-708-A (400/080) LICATION NUMBER: PCT/US03/04088 ING DATE: 2003-04-28 CATION NUMBER: US 60/396,600 G DATE: 2002-07-17 CATION NUMBER: US 60/358,580 G DATE: 2002-03-11 CATION NUMBER: US 60/363,124 G DATE: 2002-03-01 CATION NUMBER: US 60/386,782 G DATE: 2002-03-05 G DATE: 2002-08-29 G DATE: 2002-08-29 G DATE: 2002-09-05 CATION NUMBER: US 60/408,378 G DATE: 2002-09-05 CATION NUMBER: US 60/408,378 G DATE: 2002-09-05 CATION NUMBER: US 60/409,293 G DATE: 2002-09-05 G DATE: 2002-09-05 CATION NUMBER: US 60/440,129 G DATE: 2003-01-15 G DATE: 2003-01-15 G DATE: 2003-01-15 G DATE: 2003-03-01-15 EQ ID NOS: 626 atentIn version 3.2 | accuticals, Inc. mid onid onid ession Using Short Interfering RNA (400/080) R: PCT/US03/04088 3-04-28 US 60/396,600 7-17 US 60/358,580 US 60/358,782 US 60/363,124 US 60/363,784 US 60/406,784 US 60/406,784 US 60/406,784 US 60/409,293 US 60/409,293 US 60/409,293 US 60/440,129 US 60/440,129 | aceuticals, Inc. monid conid conid | : Ribozyme Pharmaceuticals, Inc. : McSwiggen, James : Beigelman, Leonid INVENTION: RNA Interference Mediated Inhibition of INVENTION: Expression Using Short Interfering RNA RENCE: 02-708-A (400/080) PPLICATION NUMBER: PCT/US03/04088 ILING DATE: 2003-04-28 LICATION NUMBER: US 60/396,600 ING DATE: 2002-07-17 LICATION NUMBER: US 60/358,580 ING DATE: 2002-02-20 ING DATE: 2002-03-11 LICATION NUMBER: US 60/363,124 LICATION NUMBER: US 60/363,782 LICATION NUMBER: US 60/363,782 LICATION NUMBER: US 60/386,782 ING DATE: 2002-08-29 ING DATE: 2002-08-29 LICATION NUMBER: US 60/406,784 ING DATE: 2002-09-09-09 LICATION NUMBER: US 60/408,378 ING DATE: 2002-09-05 LICATION NUMBER: US 60/408,378 ING DATE: 2002-09-05 LICATION NUMBER: US 60/408,378 ING DATE: 2002-09-05 LICATION NUMBER: US 60/408,378 ING DATE: 2002-09-09 LICATION NUMBER: US 60/408,378 ING DATE: 2002-09-09 LICATION NUMBER: US 60/408,378 ING DATE: 2002-09-09 LICATION NUMBER: US 60/440,129 | : Ribozyme Pharmaceuticals, Inc. : McSwiggen, James : Beigelman, Leonid INVENTION: RNA Interference Mediated Inhibition of INVENTION: Expression Using Short Interfering RNA RENCE: 02-708-A, 400/080) PPLICATION NUMBER: PCT/US03/04088 ILING DATE: 2003-04-28 LICATION NUMBER: US 60/396,600 ING DATE: 2002-07-17 ING DATE: 2002-07-17 ING DATE: 2002-03-11 ILICATION NUMBER: US 60/358,580 LICATION NUMBER: US 60/358,124 ING DATE: 2002-03-11 LICATION NUMBER: US 60/363,124 ING DATE: 2002-03-11 LICATION NUMBER: US 60/363,78 LICATION NUMBER: US 60/406,784 ING DATE: 2002-09-05 LICATION NUMBER: US 60/408,378 ING DATE: 2002-09-05 LICATION NUMBER: US 60/408,378 ING DATE: 2002-09-05 LICATION NUMBER: US 60/409,293 ING DATE: 2002-09-09 | : Ribozyme Pharmaceuticals, Inc. : McSwiggen, James : Beigelman, Leonid INVENTION: RNA Interference Mediated Inhibition of INVENTION: Expression Using Short Interfering RNA RENCE: 02-708-A (400/080) PPLICATION NUMBER: PCT/US03/04088 ILLNG DATE: 2003-04-28 ILLOATION NUMBER: US 66/396,600 ILCATION NUMBER: US 66/358,580 ING DATE: 2002-07-17 ILCATION NUMBER: US 60/358,580 ING DATE: 2002-03-11 ING DATE: 2002-03-11 ING DATE: 2002-06-06 ING DATE: 2002-6-06 ING DATE: 2002-6-06 ING DATE: 2002-6-06 ING DATE: 2002-08-29 ILCATION NUMBER: US 60/406,784 ING DATE: 2002-08-29 ILCATION NUMBER: US 60/406,784 ING DATE: 2002-08-29 | : Ribozyme Pharmaceuticals, Inc. : McSwiggen, James : Beigelman, Leonid INVENTION: RNA Interference Mediated Inhibition of INVENTION: Expression Using Short Interfering RNA RENCE: 02-708-A, (400/080) PPLICATION NUMBER: PCT/US03/04088 ILING DATE: 2003-04-28 LICATION NUMBER: US 60/396,600 ING DATE: 2002-07-17 ING DATE: 2002-07-17 ING DATE: 2002-03-11 ING DATE: 2002-08-29 ING DATE: 2002-08-29 ING DATE: 2002-08-29 LICATION NUMBER: US 60/406,784 ING DATE: 2002-09-05 | : Ribozyme Pharmaceuticals, Inc. : McSwiggen, James : Beigelman, Leonid INVENTION: RNA Interference Mediated Inhibition of INVENTION: Expression Using Short Interfering RNA RENCE: 02-708-A, 400/080) PPLICATION NUMBER: PCT/USO3/04088 ILING DATE: 2003-04-28 LICATION NUMBER: US 60/396,600 ING DATE: 2002-07-17 ING DATE: 2002-07-17 ING DATE: 2002-03-11 ILICATION NUMBER: US 60/358,580 ING DATE: 2002-03-11 LICATION NUMBER: US 60/363,124 ING DATE: 2002-03-11 LICATION NUMBER: US 60/363,782 ING DATE: 2002-03-11 LICATION NUMBER: US 60/386,782 ING DATE: 2002-06-06 ING DATE: 2002-06-08 ING DATE: 2002-06-08 ING DATE: 2002-06-08 ING DATE: 2002-06-09 | : Ribozyme Pharmaceuticals, Inc. : McSwiggen, James : Beigelman, Leonid INVENTION: RNA Interference Mediated Inhibition of INVENTION: Expression Using Short Interfering RNA RENCE: 02-708-A (400/080) PPLICATION NUMBER: PCT/US03/04088 ILIUM DATE: 2003-04-28 ILIUM DATE: 2003-04-28 ILICATION NUMBER: US 60/396,600 ING DATE: 2002-07-17 LICATION NUMBER: US 60/358,580 ING DATE: 2002-02-20 LICATION NUMBER: US 60/358,580 ING DATE: 2002-03-11 LICATION NUMBER: US 60/363,124 ING DATE: 2002-06-06 ING DATE: 2002-06-06 ING DATE: 2002-06-06 ING DATE: 2002-06-06 LICATION NUMBER: US 60/386,782 ING DATE: 2002-08-29 | : Ribozyme Pharmaceuticals, Inc. : McSwiggen, James : Beigelman, Leonid INVENTION: RNA Interference Mediated Inhibition of INVENTION: Expression Using Short Interfering RNA RENCE: 02-708-A (400/080) PPLICATION NUMBER: PCT/US03/04088 ILING DATE: 2003-04-28 ILICATION NUMBER: US 60/396,600 ILICATION NUMBER: US 60/396,500 ING DATE: 2002-07-17 LICATION NUMBER: US 60/358,580 ING DATE: 2002-03-11 LICATION NUMBER: US 60/363,124 ING DATE: 2002-03-11 ING DATE: 2002-03-11 ING DATE: 2002-03-11 ING DATE: 2002-06-06 ING DATE: 2002-06-06 ING DATE: 2002-06-06 | : Ribozyme Pharmaceuticals, Inc. : McSwiggen, James : Beigelman, Leonid INVENTION: RNA Interference Mediated Inhibition of INVENTION: Expression Using Short Interfering RNA RENCE: 02-708-A (40/080) PPLICATION NUMBER: PCT/US03/04088 ILING DATE: 2003-04-28 LICATION NUMBER: US 60/396,600 ING DATE: 2002-07-17 LICATION NUMBER: US 60/358,580 ING DATE: 2002-02-02 ING DATE: 2002-03-11 ING DATE: 2002-03-11 ING DATE: 2002-03-11 ING DATE: 2002-03-11 LICATION NUMBER: US 60/363,124 ING DATE: 2002-03-11 LICATION NUMBER: US 60/363,782 ING DATE: 2002-06-06-06 | : Ribozyme Pharmaceuticals, Inc. : McSwiggen, James : Beigelman, Leonid INVENTION: RNA Interference Mediated Inhibition of INVENTION: Expression Using Short Interfering RNA RENCE: 02-708-A (400/080) PPLICATION NUMBER: PCT/US03/04088 ILIUNG DATE: 2003-04-28 ILICATION NUMBER: US 60/396,600 ING DATE: 2002-07-17 ILICATION NUMBER: US 60/358,580 ING DATE: 2002-03-04-04 ING DATE: 2002-03-04 ING DATE: 2002-03-04 ING DATE: 2002-03-11 ILICATION NUMBER: US 60/363,124 ING DATE: 2002-03-11 ILICATION NUMBER: US 60/363,124 ING DATE: 2002-03-11 ILICATION NUMBER: US 60/363,782 | : Ribozyme Pharmaceuticals, Inc. : McSwiggen, James : Beigelman, Leonid INVENTION: RNA Interference Mediated Inhibition of INVENTION: Expression Using Short Interfering RNA RENCE: 02-708-A (400/080) PPLICATION NUMBER: PCT/US03/04088 ILING DATE: 2003-04-28 ILICATION NUMBER: US 60/396,600 ING DATE: 2002-07-17 LICATION NUMBER: US 60/358,580 ING DATE: 2002-02-20 LICATION NUMBER: US 60/363,124 ING DATE: 2002-03-11 ING DATE: 2002-03-11 | : Ribozyme Pharmaceuticals, Inc. : McSwiggen, James : Beigelman, Leonid INVENTION: RNA Interference Mediated Inhibition of INVENTION: Expression Using Short Interfering RNA RENCE: 02-708-A (400/080) PPLICATION NUMBER: PCT/US03/04088 ILING DATE: 2003-04-28 LICATION NUMBER US 60/396,600 ING DATE: 2002-07-17 LICATION NUMBER: US 60/358,580 ING DATE: 2002-02-20 ING DATE: 2002-02-20 ING DATE: 2002-02-20 | : Ribozyme Pharmaceuticals, Inc. : McSwiggen, James : Beigelman, Leonid INVENTION: RNA Interference Mediated Inhibition of INVENTION: Expression Using Short Interfering RNA FRANCE: 02-708-A (400/080) PPLICATION NUMBER: PCT/USO3/04088 ILING DATE: 2003-04-28 ILICATION NUMBER: US 60/396,600 ING DATE: 2002-07-17 ING DATE: 2002-07-17 ING DATE: 2002-07-20 ING DATE: 2002-02-20 | : Ribozyme Pharmaceuticals, Inc. : McSwiggen, James : Beigelman, Leonid INVENTION: RNA Interference Mediated Inhibition of INVENTION: Expression Using Short Interfering RNA RENCE: 02-708-A (400/080) PPLICATION NUMBER: PCT/US03/04088 ILING DATE: 2003-04-28 ILICATION NUMBER: US 60/396,600 ING DATE: 2002-07-17 LICATION NUMBER: US 60/358,580 | : Ribozyme Pharmaceuticals, Inc. : McSwiggen, James : Beigelman, Leonid INVENTION: RNA Interference Mediated Inhibition of INVENTION: Expression Using Short Interfering RNA RENCE: 02-708-A (400/080) PPLICATION NUMBER: PCT/US03/04088 ILING DATE: 2003-04-28 LICATION NUMBER: DS 60/396,600 ING DATE: 2002-07-17 | : Ribozyme Pharmaceuticals, Inc. : McSwiggen, James : Beigelman, Leonid INVENTION: RNA Interference Mediated Inhibition of INVENTION: Expression Using Short Interfering RNA FRENCE: 02-708-A (400/080) PPLICATION NUMBER: PCT/US03/04088 ILING DATE: 2003-04-28 ILING DATE: 2003-04-28 LICATION NUMBER: US 60/396,600 | : Ribozyme Pharmaceuticals, Inc. : McSwiggen, James : Beigelman, Leonid INVENTION: RNA Interference Mediated Inhibition of INVENTION: Expression Using Short Interfering RNA RENCE: 02-708-A (400/080) PPLICATION NUMBER: PCT/USO3/04088 ILING DATE: 2003-04-28 | : Ribozyme Pharmaceuticals, Inc. : McSwiggen, James : Beigelman, Leonid INVENTION: RNA Interference Mediated Inhibition of INVENTION: Expression Using Short Interfering RNA RENCE: 02-708-A (400/080) PPLICATION NUMBER: PCT/USO3/04088 | : Ribozyme Pharmaceuticals, Inc. : McSwiggen, James : McSwiggen, James : Beigelman, Leonid : Beigelman, Leonid INVENTION: RNA Interference Mediated Inhibition of INVENTION: Expression Using Short Interfering RNA RENCE: 02-708-A (400/080) | : Ribozyme Pharmaceuticals, Inc. : McSwiggen, James : Beigelman, Leonid INVENTION: RNA Interference Mediated Inhibition of INVENTION: Expression Using Short Interfering RNA | : Ribozyme Pharmaceuticals, Inc. : McSwiggen, James : Beigelman, Leonid INVENTION: RNA Interference Mediated Inhibition of | | | | |

Query Match Best Local S Matches 14

14; Conservative

70.0%; Score 14; DB 1; Length 19; 100.0%; Pred. No. 1.7e+03; tive 0; Mismatches 0; Indels

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                                                                                                                                          Sequence 11, Application US/09905688
GENERAL INFORMATION:
APPLICANT: CZERNIAK, BOGDAN
TITLE OF INVENTION: METHODS OF DETECTING AND DIAGNOSING BLADDER CANCER AND
TITLE OF INVENTION: IDENTIFYING NEOPLASTIC PROGRESSION
FILE REFERENCE: UTSC:663US
CURRENT APPLICATION NUMBER: US/09/905,688
CURRENT APPLICATION NUMBER: US/09/905,688
CURRENT APPLICATION NUMBER: US/09/905,688
CURRENT APPLICATION NUMBER: US/09/905,688
CURRENT APPLICATION OF SEQ ID NOS: 20
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 11
LENGTH: 20
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SOFTWARE: PatentIn version 3.2
SEQ ID NO 290
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Best Local
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APPLICANT: McSwiggen, James.
APPLICANT: McSwiggen, James.
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (SINA)
FILE REFERENCE: 02-708-A (400/08)
CURRENT APPLICATION NUMBER: PCT/US03/04088
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR APPLICATION DUMBER: US 60/396,600
PRIOR FILING DATE: 2002-07-17
OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: Primer 19-905-688-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: Description of Artificial Sequence: sina antisense OTHER INFORMATION: region
                                                                                               ORGANISM: Artificial Sequence
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                                                                           FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US 60/358,580
FILING DATE: 2002-02-20
APPLICATION NUMBER: US 60/363,124
FILING DATE: 2002-03-11
APPLICATION NUMBER: US 60/366,782
FILING DATE: 2002-06-06
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PILING DATE: 2002-08-29
APPLICATION NUMBER: US 60/408,378
FILING DATE: 2002-09-05
APPLICATION NUMBER: US 60/409,293
FILING DATE: 2002-09-09
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9; Conservative
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Pred. No. 1.7e+03;
5; Mismatches 0
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; ORGANISM: Homo sapiens
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US-10-310-188-34029/c
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US-08-825-746-11
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PRIOR FILING DATE: 1992-03-21
PRIOR APPLICATION NUMBER: 07/715,182
PRIOR FILING DATE: 1991-06-14
PRIOR APPLICATION NUMBER: 07/928,661
PRIOR FILING DATE: 1992-08-17
PRIOR APPLICATION NUMBER: 07/446,584
PRIOR APPLICATION NUMBER: 07/446,584
PRIOR FILING DATE: 1989-12-06
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NUMBER OF SEQ ID NOS: 86841
SOFTWARE: PatentIn version 3.1
SEQ ID NO 34029
LENGTH: 20
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Best Local Similarity
Matches 13; Conserv
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APPLICANT: RosettaGemonics
  Query Match 65.0%; So
Best Local Similarity 100.0%; F
Matches 13; Conservative 0;
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                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Fearon, Eric
APPLICANT: Nigro, Janice M.
APPLICANT: Nigro, Janice M.
TITLE OF INVENTION: Methods for Restoring Wild-Type p53 Gene Function
FILE REFERENCE: 001107.05677
CURRENT APPLICATION NUMBER: US/08/825,746
CURRENT FILING DATE: 1997-04-03
PRIOR APPLICATION NUMBER: 08/035,366
PRIOR FILING DATE: 1993-03-22
PRIOR FILING DATE: 1993-03-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILE REFERENCE: 47487
CURRENT APPLICATION NUMBER: US/10/310,188
                                                                                               ORGANISM: Homo sapiens
                                                                                                               TYPE: DNA
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      Score 13; DB; Pred. No. 5.4
DB 4; 5.4e+03; 0;
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                                         Length 21;
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US-10-355-577-223567/c

Sequence 223567, Application US/10355577

GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILLING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 223567
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US-10-355-577-198249
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US-09-954-445A-45573/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILE REPERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 198249
LENGTH: 25
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Best Local
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 45573
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GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Arabidopsis Thaliana
FILE REFERENCE: 3116.1
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TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-Ul33
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CURRENT FILING DATE: 2000-09-17
PRIOR APPLICATION NUMBER: 60/233,620
PRIOR FILING DATE: 2000-09-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: Homo sapien
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ORGANISM: Arabidopsis thaliana
TYPE: DNA
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100.0%; Pred. No. 5.3e+03;
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US-60-417-190-13947; Sequence 13947, App; GENERAL INFORMATION

Application US/60417190

APPLICANT: Giulia Kennedy APPLICANT: Hajime Matsuzaki APPLICANT: Mei-Mei Shen

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US-10-355-577-498091
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RESULT 11
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US-60-417-190-13946
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; TYPE: DNA
; ORGANISM: Homo sapien
US-10-355-577-498091
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CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 498091
                                                                                                                                                                                                                   SEQ ID NO 13946
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GENERAL INFORMATION:
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                                                                                                           Query Match
Best Local Similarity
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SOFTWARE: Microarray Probe St
                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/60/417,190 CURRENT FILING DATE: 2002-10-02
                                                                                                                                                                                                                                                                                      APPLICANT: Hajime Matsuzaki
APPLICANT: Mei-Mei Shen
TITLE OF INVENTION: Methods for Genotyping Polymorphisms in Humans
FILE REFERENCE: 3522
                                                                                                                                                                                                                                                                                                                    APPLICANT: Giulia Kennedy
APPLICANT: Hajime Matsuza
APPLICANT: Mei-Mei Shen
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TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
                                                                                                                                                                                        TYPE: DNA
                                                                                                                                                                                                    ENGTH: 25
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                                                                     recrerrectee 16
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                                        TCCTCTTCCTGCG 14
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100.0%; Pr
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Pred. No.
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Pred. No.
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Pred. No.
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RESULT 13
US-60-417-190-48933
Sequence 48933, Application US/60417190
GENERAL INFORMATION:
APPLICANT: Giulia Kennedy
APPLICANT: Hajime Matsuzaki
APPLICANT: Mei-Mei Shen
TITLE OF INVENTION: Methods for Genotyping Polymorphisms in Humans
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 48932, Application US/60417190
GENERAL INFORMATION:
APPLICANT: Giulia Kennedy
APPLICANT: Hajime Matsuzaki
APPLICANT: Hejime Matsuzaki
APPLICANT: Mei-Mei Shen
TITLE OF INVENTION: Methods for Genotyping Polymorphisms in Humans
FILE REFERENCE: 3522
CURRENT FILING ADTE: 2002-10-02
CURRENT FILING ADTE: 2002-10-02
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 48932
LENGTH: 25
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CURRENT APPLICATION NUMBER: US/60/417,190
CURRENT FILING DATE: 2002-10-02
NUMBER OF SEQ ID NOS: 122930
SOFTMARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 13947
LENGTH: 25
                                                                                                                       FILE REFERENCE: 3522
CURRENT APPLICATION NUMBER: US/60/417,190
CURRENT FILING DATE: 2002-10-02
NUMBER OF SEQ ID NOS: 122930
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 48933
LENGTH: 25
TYPE: DNA
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Local Similarity 100.0%; Pred. No. 5.3e+0
es 13; Conservative 0; Mismatches
                  65.0%; Score 13; DB 12;
100.0%; Pred. No. 5.3e+03
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Gaps
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; TYPE: DNA
; ORGANISM: Homo sapien
US-60-417-190-48939
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US-60-417-190-48939
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US-60-417-190-48940
; Sequence 48940, Application US/60417190
; GENERAL INFORMATION:
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GENERAL INFORMATION:
APPLICANT: Giulia Kennedy
APPLICANT: Hajime Matsuzaki
APPLICANT: Mei-Mei Shen
TITLE OF INVENTION: Methods for Genotyping Polymorphisms in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Giulia Kennedy
APPLICANT: Hajime Matsuzaki
APPLICANT: Hajime Matsuzaki
APPLICANT: Mei-Mei Shen
TITLE OF INVENTION: Methods for Genotyping Polymorphisms in Humans
FILE REFERENCE: 3522
CURRENT APPLICATION NUMBER: US/60/417,190
CURRENT FILING DATE: 2002-10-02
NUMBER OF SEQ ID NOS: 122930
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 48940
LENGTH: 25
TYPE: DNA
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Best Local Similarity 100.0%;
Matches 13; Conservative
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CURRENT FILING DATE: 2002-10-02
NUMBER OF SEQ ID NOS: 122930
SOFTMARE: Microarray Probe Sequence Listing Generator V
SEQ ID NO 48939
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                Score 13; DB; Pred. No. 5.
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                               DB 12;
5.3e+03;
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5.3e+03;
                                                                                                                                                                                                                                                                                                                                                                                      Length 25,
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0,

0

Query Match Best Local

ORGANISM: Homo sapien -60-417-190-48932

Matches

13 Trecretrected 25 . ||||||||||||

; ORGANISM: Homo sapien US-60-417-190-48933

Query Match Best Local Similarity Matches 13; Conserv

TICCICITCCIGC 15 Conservative

0,

Mismatches

RESULT 12 US-60-417-190-48932

밁 á ; TYPE: DNA ; ORGANISM: Homo sapien US-60-417-190-13947

Query Match
Best Local Similarity 100.
Matches 13; Conservative

65.0%; 5-100.0%; Pr

score 13; DB; Pred. No. 5.3

4 recrerrece 16 recreirectece 13

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Minimum DB seq length: 0 Maximum DB seq length: 50
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Perfect score:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Searched:
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Gapop 60.0 , Gapext 60.0
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          24791104 seqs, 12571243825 residues
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/ cgm2 6/ptodata/2/pna/US099 COMB. seq; *
/ cgm2 6/ptodata/2/pna/US108 C
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution:

SUMMARIES

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|---------------------|-------------------|-------------------|-------------------|----------------------|----------------------|----------------------|---------------------|-------------------|--------------------|-------------------|-------------------|---------------------|---------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|-------------------|------------------|---------------|
| 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | œ | 7 | თ | ຫ | 4 | ω | N | <u> </u> | ult No. |
| 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | . 13 | 13 | 13 | 14 | 14 | 14 | 14 | 14 | 20 | 20 | 20 | 20 | 20 | Score |
| 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | Query |
| 50 | 45 | 42 | 31 | 25 | 25 | 25 | 25 | 21 | 20 | 20 | 29 | 25 | 25 | 25 | 25 | 31 | 30 | 30 | 20 | 20 | Length |
| <u>سر</u> | 26 | 26 | 18 | 79 | 79 | 79 | 67 | 41 | 41 | μ | 13 | 67 | 36 | 17 | 17 | ø | H | <u>بــ</u> | 11 | ۳ | DB |
| PCT-US01-47856-3869 | US-09-671-346-9 | US-09-671-346-8 | US-09-454-623-15 | US-60-353-987-498091 | US-60-353-987-223567 | US-60-353-987-198249 | US-60-233-620-45573 | US-10-157-058-11 | US-10-167-241-11 . | PCT-US02-18427-11 | US-08-913-665-14 | US-60-234-017-52883 | US-09-956-584-18655 | US-09-396-196G-119937 | US-09-396-196F-119937 | US-08-521-634-17 | US-08-770-564A-2 | PCT-US97-23619-2 | US-08-770-564A-3 | PCT-US97-23619-3 | ID |
| Sectionica 1869 An | Sequence 9, Appli | Sequence 8, Appli | Sequence 15, Appl | Sequence 498091, | Sequence 223567, | Sequence 198249, | Sequence 45573, A | Sequence 11, Appl | Sequence 11, Appl | Sequence 11, Appl | Sequence 14, Appl | Sequence 52883, A | Sequence 18655, A | Sequence 119937, | Sequence 119937, | Sequence 17, Appl | Sequence 2, Appli | Sequence 2, Appli | Sequence 3, Appli | 3, App | Description |

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RESULT 1
PCT-US97-23619-3
TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: 3:
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GENERAL INFORMATION:
APPLICANT:
                                                                FILING DATE: Not yet assigned
CLASSIFICATION
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION UNDER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION UNDER: US 08/770,565
PRIOR APPLICATION DATA:
APPLICATION UNDER: US 08/770,565
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION UNDER: 15389-27PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Ploor CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: PCT/US97/: FILING DATE: Not yet assigned
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            California
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11 PCT-US02-25942-1021
12 PCT-US02-25942-1021
13 PCT-US02-25942-1085
14 US-10-227-567-1021
15 US-09-266-483B-21
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US-10-131-831-3869
PCT-US97-23619-4
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Sequence 4, Appli
Sequence 4, Appli
Sequence 1021, Appli
Sequence 21, Appli
Sequence 21, Appli
Sequence 22, Appli
Sequence 25, Appli
Sequence 271, Appli
Sequence 2718, A
Sequence 95194, A
Sequence 95194, A
Sequence 95194, A
Sequence 95206, A
Sequence 95206, A
Sequence 34054, A
Sequence 95206, A
Sequence 95206, A
Sequence 95206, A
Sequence 34054, A
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RESULT 3
PCT-US97-23619-2
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US-08-770-564A-3
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                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 01531
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 3, Application US/08770564A
GENERAL INFORMATION:
APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott L.
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 94111

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: PATEENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                              Matches
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Best Local Similarity
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TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
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NAME/KEY:
LOCATION: 1..20
OTHER INFORMATION: /note= "oligo 14ab"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Ploor
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY:
                                                                                                                                                                                                                                                                                                                                       LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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Pred. No. 8.5;
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Pred. No. 8
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Sequence 2, Application PC/TUS9723619 GENERAL INFORMATION:

PPLICANT

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                                                                                                                                          US-08-770-564A-2
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Sequence 2, Application US/0877054A
GENERAL INFORMATION:
APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Against the RNA Component o
                                                                                                                                                                                                                                                                                                                Query Match
Best Local :
                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: 15389-27PC
REFERENCE/DOCKET NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPAX: (415) 576-0300
NFORMATION FOR SEQ ID NO: 2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FILING DATE: Not yet assigned
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: 20-DEC-
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
FILING DATE: 20-DEC-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
US 08/770,564
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TTLE OF INVENTION:
                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: -
LOCATION: 1..30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US 01 FILING DATE: 20-DEC-1996
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               E: Townsend and Townsend and Crew LLP
Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              linear
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                                                                                                                                                                                                                                                                                                                                                                                  /note= "oligo 14"
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Pred. No. 8.3;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17, Application US/08521634 GENERAL INFORMATION:
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Best Local
                                           CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06
FILING DATE: 7-JUN-1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                      COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                          STREET: One Francisco
CITY: San Francisco
STATE: California
                                                                                                                                                                   SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                     ITLE OF
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            APPLICATION NUMBER: US 08/472,802 FILING DATE: 7-JUN-1995
                                                                                                                                                                                                 MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                APPLICATION NUMBER: US/0 FILING DATE: 31-AUG-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRANDEDNESS:
TOPOLOGY: li
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
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OPERATING SYSTEM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP STREET: Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE:
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                                                                                                                                                                                                                                                                                                                                                                                                                T: Andrews, William INVENTION: Mammalian Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CGTTCCTCTTCCTGCGGCCT 20
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                                                                                                                                                                                                                                                                                                                                             One Market Plaza, Steuart Tower, Suite 2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
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Funk, Walter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
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                                                                             US 08/482,115
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FILE REFERENCE: 3101.1

CURRENT APPLICATION NUMBER: US/09/396,196F

CURRENT FILING DATE: 2001-09-15

PRIOR APPLICATION NUMBER: 60/100,678

PRIOR FILING DATE: 1998-09-17

NUMBER OF SEQ ID NOS: 127806

SEQ ID NO 119937

LENGTH: 25

TYPE: DNA
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US-09-396-1967-119937
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Best Local Similarity 100.0%; Pred. No. 8.
Matches 20; Conservative 0; Mismatches
                                                                                                        3-09-396-196G-119937/c
Sequence 119937, Application US/09396196G
GENERAL INFORMATION:
APPLICANT: Michael Mittmann
APPLICANT: David Mack
                                                                                                                                                                                                                                                                                                                                  Query Match 70.0%;
Best Local Similarity 100.0%;
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US 08/272
EILING DATE: 7-UTL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Dunn, Tracy J
REGISTRATION NUMBER: 14,597
REFERENCE/DOCKET NUMBER: 1538
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Michael Mittmann APPLICANT: David Mack
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 31 base pairs
                                               PPLICANT: Affymetrix, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER:
FILING DATE: 27-OCT-
PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRANDEDNESS:
TOPOLOGY: 11
                                                                                                                                                                                                                                                            25
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                                                                                       David Mack
David Lockhart
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27-OCT-1994
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0; Mismatches
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6.8e+03;
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                                                                                                    CURRENT APPLICATION NUMBER: US/60/234,017
CURRENT FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605887
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 52883
LENGTH: 25
TYPE: DNA
ORGANISM: Mus musculus
PUBLICATION INFORMATION:
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank U41285
US-60-234-017-52883
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                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 9
US-60-234-017-52883/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; ORGANISM: Mus musculus US-09-956-584-18655
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                                                                                                                                                                                                                                                                                                                                                                Sequence 52883, Application US/60234017
GENERAL INFORMATION:
APPLICANT: Mitemann, M
APPLICANT: Affymetrix, Inc.
                                                     Query Match
Best Local :
                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: Methods of INVENTION: musculus FILE REFERENCE: 3115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
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CURRENT APPLICATION NUMBER: US/09/956,584
CURRENT FILING DATE: 2001-09-19
                                  Local Similarity 100.0%; es 14, Conservative 0;
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1 CGTTCCTCTTCCTG 14
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                                                                                                                                                                                                                                                                                                                                                   Methods of Genetic Analysis of Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      70.0%; Tr
100.0%; Pr
                                    70.0%; Score 14; DB 67; Length 25; 100.0%; Pred. No. 6.8e+03; ive 0; Mismatches 0; Indels
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Gaps

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RESULT 8
US-09-956-584-18655/c
US-09-956-584-18655, Application US/09956584
; Sequence 18655, Application US/09956584
; GENERAL INFORMATION:
; Applicant; Mitchael
; TITLE OF INVENTION: Methods of Genetic Analysis of Mus Musculus
                                                                                                                                                                 PRIOR APPLICATION NUMBER: 60/234,017
PRIOR FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605887
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 18655
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SOFTWARE: FASESEQ for Windows Version 4.0
SEQ ID NO 119937
LENGTH: 25
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                      DB 36;
6.8e+03;
                                          Length 25
Indels
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RESULT 10
US-08-913-665-14/c
; Sequence 14, Application US/08913665
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                                                                                                                                                                                            Sequence 11, Application PC/TUS0218427 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                              Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                               TITLE OF INVENTION: METHODS OF DETECTING, DIAGNOSING AND TREATING CANCER TITLE OF INVENTION: AND IDENTIFYING NEOFLASTIC PROGRESSION FILE REFERENCE: UTFC:112-WO CURRENT APPLICATION NUMBER: PCT/US02/18427 CURRENT FILING DATE: 2002-06-11 PRIOR APPLICATION NUMBER: 60/297,813 PRIOR APPLICATION NUMBER: 60/297,813 PRIOR FILING DATE: 2001-06-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                           APPLICANT: CZERNIAK, BOGDAN
APPLICANT: JOHNSTON, DENNIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: Haley, James F.
REGISTRATION NUMBER: 27,794
REFERENCE/DOCKET NUMBER: SH
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: DNA MOLECULE RELATING TO SUPPRESSION OF TITLE OF INVENTION: GENE EXPRESSION AND NOVEL PROTEIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   UMBER OF SEQUENCES:
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CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DESCRIPTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRANDEDNESS:
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PatentIn Ver. 2.1
                  SEQ ID NOS: 20
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Okumura, Kouichi
                                                                                                                                                                                                                                                                                                                                                                              Conservative
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/desc = "synthetic DNA"
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PCT-US02-18427-11
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Best Local S
Matches 13
                             PRIOR APPLICATION NUMBER: 08/825,746
PRIOR FILING DATE: 1997-04-03
PRIOR APPLICATION NUMBER: 08/035,366
PRIOR FILING DATE: 1993-03-22
PRIOR FILING DATE: 1993-03-22
PRIOR APPLICATION NUMBER: 07/928,661
PRIOR FILING DATE: 1992-08-17
PRIOR APPLICATION NUMBER: 07/860,758
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LENGTH: 20
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Best Local Similarity
                                                                                                                                                       APPLICANT: Fearon, Eric R.
APPLICANT: Nigro, Janice M.
TITLE OF INVENTION: Methods for Restoring Wild-Type p53 Gene Function
FILE REFERENCE: 001107.00257
CURRENT APPLICATION NUMBER: US/10/157,058
CURRENT FILING DATE: 2002-08-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/10/167,241
CURRENT FILING DATE: 2002-06-11
PRIOR APPLICATION NUMBER: 60/297,813
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: JOHNSTON, DENNIS
TITLE OF INVENTION: METHODS OF DETECTING, DIAGNOSING AND TREATING CANCER
TITLE OF INVENTION: AND IDENTIFYING NEOPLASTIC PROGRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: CZERNIAK, BOGDAN
APPLICANT: JOHNSTON, DENNI
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                                                                                                                                                                                                                                                                           APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
PEATURE:
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APPLICATION NUMBER:
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                 1992-03-
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100.0%; Pred. No.
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2.1e+04;
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RESULT 15
US-60-353-987-198249
(Sequence 198249, Application US/60353987
(Sequence 198249, Application US/60353987
(GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
FILLE REFERENCE: 3121
(CURRENT FILING MUMBER: US/60/353,987
(CURRENT FILING DATE: 2002-02-01
(NUMBER OF SEQ ID NOS: 997516
(SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
(SEQ ID NO 198249
(LENGTH: 25
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US-60-233-620-45573/c
US-60-233-620-45573, Application US/60233620

Sequence 45573, Application US/60233620

GENERAL INFORMATION:
APPLICANT: Mittmann
APPLICANT: Affymetrix, Inc.
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of
TITLE OF INVENTION: Arabidopsis thaliana
FILE REFERENCE: 3116
CURRENT EPLICATION NUMBER: US/60/233,620
CURRENT FILING DATE: 2000-10-24
NUMBER OF SEQ ID NOS: 131820
SOFTWARE: FRSTSEQ for Windows Version 4.0
SEQ ID NO 45573
LENGTH: 25
STYPE: DNA
TYPE: DNA
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-157-058-11
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SOFTWARE: PatentIn versi
SEQ ID NO 11
LENGTH: 21
                                  Query Match 65.0*; Score 13; DB 79; Length 25; Best Local Similarity 100.0*; Pred. No. 2.1e+04; Matches 13; Conservative 0; Mismatches 0; Indels
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Query Match
Best Local Similarity 100.0%; Pred. No. 2.1e+04;
Matches 13; Conservative 0; Mismatches 0;
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PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank AL034567
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PRIOR FILING DATE: 1989-12-06
PRIOR APPLICATION NUMBER: 07/330,566
PRIOR FILING DATE: 1989-03-29
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Db 9 GTTCCTCTTC

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Match
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1 CGTTCCTCTTCCTGCGGCCT
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/cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
/cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
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/cgn2_6/ptodata/1/pubpna/US08_RUBCOMB.seq:*
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US-09-879-389B-4

US-09-879-389B-3

US-09-902-563-31

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US-10-096-255-31

US-10-096-255-31

US-10-096-255-31

US-10-101-47-12

US-10-101-487-13

US-10-101-487-13

US-09-943-38B-16

US-09-943-38B-16

US-09-993-38B-16

US-09-993-38B-16

US-09-993-38B-16

US-09-990-940-2
                                                                                                                                                                                                           US-10-139-496-25

US-09-754-853A-686

US-10-098-263B-49318

US-10-098-263B-114611

US-09-938-744-2
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Sequence 25, Appl
Sequence 686, App
Sequence 49310, App
Sequence 114611,
Sequence 2, Appli
Sequence 1923, Ap
Sequence 44, Appli
Sequence 38, Appl
Sequence 41, Appl
Sequence 41, Appl
Sequence 26, Appl
Sequence 23, Appl
Sequence 13, Appl
Sequence 13, Appl
Sequence 13, Appl
Sequence 13, Appl
Sequence 14, Appl
Sequence 13, Appl
Sequence 14, Appl
Sequence 14, Appl
Sequence 48, Appl
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| 20 11 55.0 25 9 US-10-215-112-10695 Sequence 10695, A 25 11 55.0 25 9 US-10-215-112-1736 Sequence 12736, A 25 9 US-10-098-263B-9249 Sequence 12736, A 25 9 US-10-098-263B-17568 Sequence 17568; A 25 9 US-10-098-263B-17568 Sequence 17568; A 25 9 US-10-098-263B-1800 24 11 55.0 25 9 US-10-098-263B-18004 Sequence 48044, A 25 9 US-10-098-263B-18004 Sequence 48044, A 25 9 US-10-098-263B-18004 Sequence 48044, A 25 9 US-10-098-263B-18005 Sequence 50057, A 25 9 US-10-098-263B-50058 Sequence 50058, A 25 9 US-10-098-263B-50058 Sequence 50058, A 25 9 US-10-098-263B-50058 Sequence 50057, A 25 9 US-10-098-263B-56723 Sequence 50058, A 25 9 US-10-098-263B-56723 Sequence 50058, A 25 9 US-10-098-263B-56723 Sequence 56724, A 25 9 US-10-098-263B-6723 Sequence 56724, A 25 9 US-10-098-263B-81647 Sequence 67054, A 25 9 US-10-098-263B-81647 Sequence 96226, A 25 9 US-10-098-263B-81647 Sequence 96226, A 25 9 US-10-098-263B-96226 Sequence 96226, A 25 9 US-10-09 |
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| 55.0 25 9 US-10-215-112-10695 Sequence 10: 55.0 25 9 US-10-098-263B-9249 Sequence 24: 55.0 25 9 US-10-098-263B-9249 Sequence 24: 55.0 25 9 US-10-098-263B-17568 Sequence 24: 55.0 25 9 US-10-098-263B-48044 Sequence 24: 55.0 25 9 US-10-098-263B-48044 Sequence 48: 55.0 25 9 US-10-098-263B-48044 Sequence 48: 55.0 25 9 US-10-098-263B-50058 Sequence 50: 55.0 25 9 US-10-098-263B-50058 Sequence 50: 55.0 25 9 US-10-098-263B-5073 Sequence 50: 55.0 25 9 US-10-098-263B-6723 Sequence 50: 55.0 25 9 US-10-098-263B-6724 Sequence 67: 55.0 25 9 US-10-098-263B-6724 Sequence 67: 55.0 25 9 US-10-098-263B-1647 Sequence 67: 55.0 25 9 US-10-098-263B-1647 Sequence 67: 55.0 25 9 US-10-098-263B-1648 Sequence 96: 55.0 25 9 US-10-098-263B-1649 Sequence 96: 55.0 27 10 US-09-830-74-1 Sequence 96: 55.0 28 9 US-10-014-927-14 Sequence 10: 55.0 38 9 US-10-104-937-19 Sequence 11: 55.0 45 9 US-10-104-938-744-1 Sequence 11: 55.0 45 9 US-10-014-937-19 Sequence 11: 55.0 45 9 US-10-014-937-19 Sequence 11: 55.0 45 9 US-10-014-938-744-1 Sequence 11: 55.0 45 9 US-10-014-938-10 Sequence 11: 55.0 45 9 US-10-014-938-10 Sequence 11: 55.0 45 9 US-10-014-938-744-1 Sequence 11: 55.0 45 9 US-10-018-108-5 Sequence 11: |
| 5.0 25 9 US-10-215-112-10695 Sequence 12: 5.0 25 9 US-10-215-112-1736 Sequence 12: 5.0 25 9 US-10-098-263B-9249 Sequence 22: 5.0 25 9 US-10-098-263B-17568 Sequence 22: 5.0 25 9 US-10-098-263B-17568 Sequence 24: 5.0 25 9 US-10-098-263B-48043 Sequence 48: 5.0 25 9 US-10-098-263B-48100 Sequence 48: 5.0 25 9 US-10-098-263B-50057 Sequence 50: 5.0 25 9 US-10-098-263B-50058 Sequence 50: 5.0 25 9 US-10-098-263B-50724 Sequence 50: 5.0 25 9 US-10-098-263B-56723 Sequence 56: 5.0 25 9 US-10-098-263B-56724 Sequence 56: 5.0 25 9 US-10-098-263B-67054 Sequence 67: 5.0 25 9 US-10-098-263B-81647 Sequence 67: 5.0 25 9 US-10-098-263B-81648 Sequence 81: 5.0 25 9 US-10-098-263B-96226 Sequence 81: 5.0 25 9 US-10-098-263B-96226 Sequence 81: 5.0 25 9 US-10-098-263B-96226 Sequence 9: 5.0 27 10 US-09-898-541-26 Sequence 9: 5.0 28 9 US-10-104-943-86 Sequence 1: 5.0 38 9 US-10-104-943-86 Sequence 1: 5.0 45 9 US-09-938-744-1 Sequence 5: 5.0 45 9 US-09-898-548-568 Sequence 5: 5.0 46 9 US-09-898-548-568 Sequence 5: |
| 9 US-10-215-112-10695 Sequence 12 9 US-10-215-12-12736 Sequence 12 9 US-10-098-263B-9249 Sequence 92 9 US-10-098-263B-17568 Sequence 22 9 US-10-098-263B-48096 Sequence 48 9 US-10-098-263B-48043 Sequence 48 9 US-10-098-263B-48100 Sequence 48 9 US-10-098-263B-50058 Sequence 50 9 US-10-098-263B-56723 Sequence 50 9 US-10-098-263B-56724 Sequence 67 9 US-10-098-263B-81647 Sequence 81 9 US-10-098-263B-81647 Sequence 81 9 US-10-098-263B-81648 Sequence 81 9 US-10-098-263B-86726 Sequence 81 9 US-10-098-263B-8626 Sequence 96 9 US-10-098-263B-8626 Sequence 96 9 US-10-098-263B-8626 Sequence 96 9 US-10-098-263B-8626 Sequence 96 9 US-10-098-263B-8626 Sequence 10 9 US-10-098-263B-86226 Sequence 10 9 US-10-104-927-14 Sequence 10 9 US-10-098-263B-86226 Sequence 10 9 US-10-104-943-86 Sequence 10 9 US-10-104-943-86 Sequence 10 9 US-10-013-803A-10 Sequence 10 9 US-10-088-2520-2 Sequence 10 10 US-09-773-882-8 Sequence 50 10 US-09- |
| US-10-215-112-10695 US-10-215-112-10695 US-10-215-112-12736 US-10-98-263B-2499 US-10-98-263B-2499 US-10-98-263B-24096 US-10-98-263B-24096 US-10-98-263B-24096 US-10-98-263B-348043 US-10-98-263B-348100 US-10-98-263B-36057 US-10-98-263B-36057 US-10-98-263B-36723 US-10-98-263B-36724 US-10-98-263B-36724 US-10-98-263B-36724 US-10-98-263B-36724 US-10-98-263B-36724 US-10-98-263B-36724 US-10-98-263B-36726 US-10-114-947-3714 US-10-98-263B-368 US-10-114-947-3716 US-10-113-803A-10 US-10-113-803A-10 US-10-113-803A-10 US-10-085-108-5 US-10-085-108-5 US-10-085-108-5 |
| -10-215-112-10695 Sequence 10-10-215-112-12736 Sequence 12-10-098-263B-2449 Sequence 22-10-098-263B-24096 Sequence 24-10-098-263B-48044 Sequence 48-10-098-263B-48044 Sequence 48-10-098-263B-50754 Sequence 50-10-098-263B-56723 Sequence 50-10-098-263B-56724 Sequence 56-10-098-263B-81647 Sequence 67-10-098-263B-81647 Sequence 81-10-098-263B-81648 Sequence 96-10-10-10-270-371-9 Sequence 10-10-114-943-86 Sequence 10-10-114-943-86 Sequence 10-10-113-803A-10 Sequence 10-10-113-803A-10 Sequence 10-10-113-803A-10 Sequence 5-10-014-92-10-10-11-803A-10 Sequence 5-10-014-92-10-10-11-803A-10 Sequence 5-10-014-92-10-10-13-803A-10 Sequence 5-10-018-5-10-8-5 Sequence 5-10-018-5-10-8-5 Sequence 5-10-085-108-5 Sequence 5-108-5 Sequence 5-10-085-108-5 Sequence 5-108-5 Sequence 5 |
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| 2011-1000 A A A A A A A A A A A A A A A A A A |
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ALIGNMENTS

US-10-139-496-25/c ; Sequence 25, Application US/10139496 ; Publication No. US20030082646A1

GENERAL INFORMATION:

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CURRENT APPLICATION NUMBER: US/10/139,496
CURRENT FILING DATE: 2002-09-10
PRIOR APPLICATION NUMBER: 09/222,179
PRIOR FILING DATE: 1998-12-29
NUMBER OF SEQ ID NOS: 36
SOFTWARE: PatentIn version 3.1
SEQ ID NO 25
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
COTHER INFORMATION: Synthetic
US-10-139-496-25
                                                  RESULT 2
US-09-754-853A-686/c
| Sequence 686, Application US/09754853A
| Publication No. US20030005491A1
| GENERAL INFORMATION:
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Best Local S
Matches 12
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APPLICANT: Nair, Thankum S.
APPLICANT: Gray, Jennifer P.
TITLE OF INVENTION: Antigenic Targets of Autoimmune Sensorineural Hearing Loss (AISI TITLE OF INVENTION: Development of Tests for Diagnosis and Management of AISNHL FILE REFERENCE: UM-6982.
   APPLICANT:
               APPLICANT: Hauge, Brian M. APPLICANT: Parnell, Laure
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                                                                                                                                                                                                           3 TTCCTCTTCCTG 14
                                                                                                                                                                                                                                                                              Similarity
Parnell, Laurence
Parsons, Jeremy D.
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100.0%; Pred. No.
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; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-49318
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Sequence 49918, Application US/10098263B
Publication No. US20030104410A1
GENERAL INFORMATION:
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US-10-098-263B-114611
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: Clone ID: 318013_region_A3__151839_17_Reverse_Primer_Seq
US-09-754-853A-686
                                                          APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 114611
                                                                                                                                                                                                                                                                                      Sequence 114611, Application US/10098263B Publication No. US20030104410A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/09/754,853A CURRENT FILING DATE: 2001-01-05 PRIOR APPLICATION NUMBER: US 60/174,880 PRIOR FILING DATE: 2000-01-07 NUMBER OF SEQ ID NOS: 1119 SEQ ID NO 686 LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFRENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
1500 ID NO 49318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Wang, Ming Li
TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With
TITLE OF INVENTION: Soybean Cyst Nematode Resistance
FILE REFERENCE: 38-10(15810)
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ORGANISM: Glycine
ORGANISM: Homo sapien
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100.0%; Pr/
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                                                                                           ; ORGANISM: Glycine max US-09-969-373-1923
                                                                                                                                                                                              APPLICANT: Effertz, Roger J.

APPLICANT: Hauge, Brian M.

TITLE OF INVENTION: Soybean SSRs and Methods of FILE REFERENCE: 38-10(52679) A

CURRENT FILING DATE: 2001-10-02

PRIOR APPLICATION NUMBER: US 09/754,853

PRIOR APPLICATION NUMBER: US 09/754,853

PRIOR FILING DATE: 2001-01-05

PRIOR PEPLICATION NUMBER: US 09/760,427

PRIOR PEPLICATION NUMBER: US 09/760,427

PRIOR FILING DATE: 2001-05-15

PRIOR FILING DATE: 2001-05-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-969-373-1923/c
; Sequence 1923, Application US/09969373
; Patent No. US20020133852A1
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US-09-938-744-2/c
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                                                                                                                                                             SEQ ID NO 1923
LENGTH: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 100
Matches 12; Conservative
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Patent No. US20020172954A1
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TITLE OF INVENTION: METHOD FOR LARGE SCALE CDNA CLONING TITLE OF INVENTION: SEQUENCING BY CIRCULATING SUBTRACTI FILE REFERENCE: A34606-PCT-USA-A 072975.0111

CURRENT APPLICATION NUMBER: US/9/938,744

CURRENT FILING DATE: 2001-08-24

PRIOR APPLICATION NUMBER: PCT/CN00/00036

PRIOR FILING DATE: 2000-02-25

PRIOR FILING DATE: 2000-02-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: CN 99102450.8 PRIOR FILING DATE: 1999-02-26 NUMBER OF SEQ ID NOS: 13
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Similarity 100.0%; Pred. No. 5.9e+03;
11; Conservative 0; Mismatches 0;
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Pred. No.
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                               US-09-902-563-41
                                                     RESULT 9
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 4, Application US/09879389B Publication No. US20030032165A1
Sequence 41, Application US/09902563 Publication No. US20030099654A1
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SEQ ID NO 38
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 38, Application US/09902563 Publication No. US20030099654A1
                                                                                                                                                                              Matches
                                                                                                                                                                                                              Query Match
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                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Levy, Gary
TITLE OF INVENTION: Methods of Modulating Immune Coagulation
FILE REFERENCE: 9579-37
CURRENT APPLICATION NUMBER: US/09/902,563
CURRENT FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 09/442,143
PRIOR FILING DATE: 1999-11-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILE REFERENCE: 6123.200-US
CURRENT APPLICATION NUMBER: US/09/879,389B
CURRENT FILING DATE: 2001-06-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Osterggard, Peter Rahbek
APPLICANT: Kauppinen, Markus Sakari
TITLE OF INVENTION: ASPARTIC ACID PROTEASES AND NUCLEIC ACIDS ENCODING SAME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: No. US20030032165Alozymes A/S
APPLICANT: Wu, Wenping
APPLICANT: Osterggard, Peter Rahbek
                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQ ID NOS: 53
                                                                                                                                                                                                                                                                                     ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                      TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA ORGANISM: artificial sequence FEATURE:
                                                                                                                                                                                                                                                                  OTHER INFORMATION: Primer
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; OTHER INFORMATION: Primer US-10-096-255-38
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                                                                                                                                                                                              RESULT 11
US-10-096-255-41
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CURRENT APPLICATION NUMBER: US/10/096,255
CURRENT FILING DATE: 2002-03-13
PRIOR APPLICATION NUMBER: US 60/046,537
PRIOR APPLICATION NUMBER: US 60/061,684
PRIOR FILING DATE: 1997-05-17
PRIOR PRIOR DATE: 1997-10-10
NUMBER OF SEQ ID NOS: 53
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TITLE OF INVENTION: Methods of Modulating Im
FILE REFERENCE: 9579-37
CURRENT APPLICATION NUMBER: US/09/902,563
CURRENT FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 09/442,143
PRIOR FILING DATE: 1999-11-15
NUMBER OF SEQ ID NOS: 53
NUMBER OF SEQ ID NOS: 53
                                                                                                                                      Sequence 41, Application US/100 Publication No. US20030103974A1 GENERAL INFORMATION:
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Best Local Similarity
Matches 11; Conserv
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LENGTH: 19
TYPE: DNA
ORGANISM: Artificial Sequence
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APPLICANT: Levy, Gary
APPLICANT: Clark, David A.
TITLE OF INVENTION: Methods of Modulating Immune Coagulation
FILE REFERENCE: 9579-52
CURRENT FAPPLICATION NUMBER: US/10/096,255
CURRENT FILLING DATE: 2002-03-13
PRIOR APPLICATION NUMBER: US 60/046,537
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APPLICANT: Clark, David A.
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TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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                                                                                                                                                                         Application US/10096255
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lo. US20030103974A1
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100.0%; Pred. No.
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; OTHER INFORMATION: Primer US-10-096-255-41

LENGTH: 19
TYPE: DNA
ORGANISM: Artificial Sequence

SOFTWARE: P

PatentIn version 3.1

PRIOR FILING DATE: 1997-05-17
PRIOR APPLICATION NUMBER: US 60/061,684
PRIOR FILING DATE: 1997-10-10
NUMBER OF SEQ ID NOS: 53

Query Match
Best Local Similarity 100.

55.0%; Score 11; 100.0%; Pred. No. Live 0; Mismatc

Length 19

Indels

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4 recrements 14

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RESULT 12

US-09-947-770-26

US-09-947-770-26

Sequence 26, Application US/09947770

Sequence 26, Application US/09947770

Sequence 27, Application US/09947770

Sequence 26, Application US/09947770

SEQUENCE 27, Application US/09947770

SERVICANT: MAIZ PENDENTIAL

REPLICANT: MAIZ PENDENTIAL

RESULT 13

US-09-947-770-26

OUSTY MATCH 11 | III | III
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PALCANT: LEUNG, DAVID W.
APPLICANT: LEUNG, DAVID W.
APPLICANT: BERGMAN, PHILIP A.
APPLICANT: BERGMAN, PHILIP A.
APPLICANT: BERGMAN, PHILIP A.
APPLICANT: LOFQUIST, ALAN
APPLICANT: TOMPKINS, CHRISTOPHER K.
APPLICANT: WAGGONER JR., DAVID W.
TITLE OF INVENTION: RECOMBINANT PRODUCTION OF POLYANIONIC POLYMERS AND USES
TITLE OF INVENTION: THEREOF
FILIR REPERENCE: 077319/0329
CURRENT PELICATION NUMBER: US/10/101,487
CURRENT FILING DATE: 2002-03-20
PRIOR APPLICATION NUMBER: 60/277,705
PRIOR FILING DATE: 2001-03-21
NUMBER OF SEQ ID NOS: 116
NUMBER OF SEQ ID NOS: 116
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US-10-101-487-12/c
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; OTHER INFORMATION: Antisense Oligonucleotide
US-09-919-197-23
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US-10-101-487-13
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SEQ ID NO 12
LENGTH: 24
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Best Local Similarity
Matches 11; Conserv
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Patent No. US20020169125A1
GENERAL INFORMATION:
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Best Local
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CURRENT FILING DATE: 2002-03-20
PRIOR APPLICATION TO THE CONTROL OF T
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APPLICANT: BERGMAN, PHILIP A.
APPLICANT: LOFQUIST, ALAN
APPLICANT: PIETZ, GREGORY B.
APPLICANT: TOMPKINS, CHRISTOPHER K.
APPLICANT: WAGGONER JR., DAVID W.
APPLICANT WAGGONER JR., DAVID W.
APPLICANT TITLE OF INVENTION: RECOMBINANT PRODUCTION OF
TITLE OF INVENTION: THEREOF
FILE REFERENCE: 077319/0329
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PRIOR FILING DATE: 2001-03-21
NUMBER OF SEQ ID NOS: 116
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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S20020169125A1
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100.0%; Pr
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100.0%; Pred. No. 5.1e+03;
Live 0; Mismatches 0;
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seq length: 50
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    is the number of results predicted by chance to have a ster than or equal to the score of the result being printed, cived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-770-564A-3
20
1 CGTTCCTCTTCCTG
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195.867 Million cell updates/sec
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/cgn2 6/ptodata/2/ina/5B_COMB.seq:*
/cgn2 6/ptodata/2/ina/6B_COMB.seq:*
/cgn2 6/ptodata/2/ina/6B_COMB.seq:*
/cgn2 6/ptodata/2/ina/BCTUS_COMB.seq:*
/cgn2_6/ptodata/2/ina/backfiles1.seq:*
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    GenCore version (c) 1993 - 2003
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 US-08-770-565-3

US-08-833-377-7

US-08-833-377-14

US-08-9121-321-14

US-08-933-803A-14

US-08-933-803A-15

US-08-534-479-1

US-08-576-626A-15

US-08-6487-037-9

US-08-487-037-9

US-08-031-143B-3

US-08-031-143B-3

PCT-US94-02891-6

US-08-091-13B-6

PCT-US94-02891-6

US-08-09-369-15

US-08-190-369-15

US-08-190-369-15

US-08-190-369-15

US-08-190-369-15

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Sequence 3, Appli
Sequence 7, Appli
Sequence 2, Appli
Sequence 14, Appl
Sequence 14, Appl
Sequence 14, Appl
Sequence 15, Appli
Sequence 18, Appli
Sequence 8, Appli
Sequence 4, Appli
Sequence 6, Appli
Sequence 15, Appli
Sequence 15, Appli
Sequence 15, Appli
Sequence 15, Appli
Sequence 5, Appli
Sequence 15, Appli
Sequence 6, Appli
Sequence 31, Appl
Sequence 21, Appl
Sequence 21, Appl
                                                                                                                                                                                                                                                                                      Description
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| Query Match Best Local Simi Matches 20; | US-08-770-565-3 US-08-770-565-3 Sequence 3, Application US/087705 Pattent No. 5846723 GENERAL INFORMATION: APPLICANT: Kim, Nam Woo APPLICANT: Kealey, James T. APPLICANT: Weinrich, Scott L. TITLE OP INVENTION: Methods f TITLE OP INVENTION: Telomeras NUMBER OF SEQUENCES: 26 CORRESPONDENCE ADDRESS: ADDRESSES: TOWNSEND and TOW STREET: Two Embarcadero Cen CITY: San Francisco STATE: California COUNTRY: USA ZIP: 94111-3834 COMPUTER REALDABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER REALDABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER REALDABLE FORM: MEDIUM TYPE: POPPY disk COMPUTER REALDABLE FORM: MEDIUM TYPE: DEED-1996 CLASSIFICATION NUMBER: US-DOS/MS SOFTWARE; Patentin Release CURRENT APPLICATION UNDER: US-DOS/MS SOFTWARE; Patentin Release CLASSIFICATION NUMBER: US-08/94/ REFERENCE/DOCKET NUMBER: 01 TELECOMMUNICATION INFORMATION: REGISTRATION NUMBER: 03: 32,944 REFERENCE/DOCKET NUMBER: 01 TELECOMMUNICATION INFORMATION: TELEPAX: 415-576-0300 INFORMATION FOR SEQ ID NO: 3: SEQUENCE CHARACTERISTICS: LEMISTH: 20 base pairs TYPE: mucleic acid STRANDENNESS: single TOPOLOGY: linear MOLECULE TYPE: DNA | | 28 11 29 29 11 29 29 29 29 29 29 29 29 29 29 29 29 29 |
|---|---|------------|--|
| larity Conservat | 1 70-565-3 70-565-3 70-565-3 70-565-3 70-65-3 RAL INFORMATION: LI NO. 5846723 PLICANT: Kim, Nam Woo PLICANT: Kealey, James T PLICANT: Weinrich, Scott TLE OF INVENTION: Telome MEER OF SEQUENCES: 26 RRESPONDENCE ADDRESS: ADDRESSE: TOWNSEND and STREET: Two Embarcadero CITY: San Francisco CITY: San Francisco CITY: San Francisco STATE: California COUNTRY: USA ZIP: 94111-384 MPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compati OPERATING SYSTEM: PC-DOS SOCTWARB: Patentin Relea RRENT APPLICATION DATA: APPLICATION NUMBER: US/O FILING DATE: 20-DEC-1996 CLASSIFICATION: 435 TORNEY/AGENT INFORMATION: APPLICATION NUMBER: 32, REFERENCE/DOCKET NUMBER: 32, REFERENCE/DOCKET NUMBER: 32, GUENCE CHARACTERISTICS: LENGTH: 20 base pairs TYPE: nucleic acid STRANDENSES: Single TOPOLOGY: linear LECCLE TYPE: DNA 70-565-3 | | 55.55.55.55.55.55.55.55.55.55.55.55.55. |
| 100.0%; ; ive 0; | 0877 11d 11d 10d 1od 1od 1od 1od 1od | | 19 4 US- 20 1 US- 20 2 US- 20 3 US- 20 4 US- 20 4 US- 20 5 PCJ 21 US- 22 1 US- 23 1 US- 23 1 US- 24 US- 25 1 US- 26 US- 27 US- |
| Score 20; DE Pred. No. 0.0 Mismatches | SEND and er, 8th F | ALIGNMENTS | 09-442-14 08-068-94 08-442-80 08-442-80 08-589-93 09-258-33 09-258-37 09-851-89 07-820-41 08-611-15 08-611-15 08-611-15 08-611-15 08-611-15 08-611-15 08-611-15 |
| 3 2; Le)61; 0; | the RNA W LLP F #1.30 | | 13A-41 3A-8 36-8 36-8 90A-1 90A-1 90A-1 18 18 18 18 18 18 18 18 18 1 |
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| ; Gaps | O _m | | ce 41, Applice 8, Applice 8, Applice 10, Applice 10, Applice 30, Applice 18, Applice 18, Applice 18, Applice 1, Applice 1, Applice 2, Applice 3, Applice 3, Applice 3, Applice 3, Applice 5, Applice 5, Applice 6, Applice 6 |
| 0; | | | |

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1 CGTTCCTCTTCCTGCGGCCT

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NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 01.53
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 20; Conserv
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ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/833,377

FILING DATE: 04-APR-1997

CLASSIFICATION HAMBER: US/08/833,377

PRIOR APPLICATION DATA:
APPLICATION UNMBER: US/08/83,377

PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION UNMBER: US/08/510,736

PILING DATE: 04-AUG-1995

ATTORNEY/AGENT INFORMATION:
NAME: STOTELLS TAND B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Pruzan, Ronald APPLICANT: Kealey, James T TITLE OF INVENTION: Purifi NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PPLICANT: Weinrich, Scott L.
PPLICANT: Atkinson III, Edward M.
PPLICANT: Lichtesteiner, Serge P.
PPLICANT: Vasserot, Alain P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: Townsend and Townsend and Crew ILP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: ... 1... 20
LOCATION: 1... 20
COTHER INFORMATION: /note=."Oligo 14ab"
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                                                                                        , Application US/08770565
5846723
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                                                                                                                                                                                                                                                                                                                   Conservative
                  Kim, Nam Woo
Wu, Fred
Kealey, James T.
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Best Local Similarity 100.
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ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
COMPUTER: PARENTIN Release #1.0, Vei
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-196
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: DNA
-08-770-565-2
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TELEPAX: 415-576-0300
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                           ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: FR PC-DOS/MS-DOS
COPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Cr
STREET: Two Embarcadero Center, Eighth
CITY: San Francisco
STATE: California
COLUMNY CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 01:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: Methods for Detecting the RNA Component TITLE OF INVENTION: Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 30 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                              COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION
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                                                                                                                                                                                      USA
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                                         Release #1.0, Version #1.30
US/08/833,377
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Edward M.
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RESULT 3 US-08-770-565-2

ent No.

PRIOR APPLICATION DATA:

04-APR-1997

APPLICATION NUMBER: CLASSIFICATION:

US 08/510,736

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                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Storella, Jonn N.

NAME: Storella, Jonn N.

REGISTRATION NUMBER: 32,944

REPERENCE/DOCKET NUMBER: 0153/

TELECOMMUNICATION INFORMATION:

77720NR: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: 1 SEQUENCE CHARACTERISTICS:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/933,803
FILING DATE: 19-SEP-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                             COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Saiga, Akihiko
APPLICANT: Orita, Satoshi
                                                                                                                                                                                                                                                                                                                                                                                                     PPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LOCATION: 1..20
OTHER INFORMATION:
                                                                    CLASSIFICATION:
                                                                                   FILING DATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
                                                                                                APPLICATION NUMBER: US/09/121,321
                                                                                                                                                                                                                              COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
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                                                                                                                                                                                                                              USA
                                                                                                                                                                                                                                                                                                                                     Igarashi, Hisanaga
Okumura, Kouichi
Sakaguchi, Gaku
VENTION: DNA MOLECULE RELATING TO SUPPRESSION OF
VENTION: GENE EXPRESSION AND NOVEL PROTEIN
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100.0%; Pr
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/note= "N = 5' biotinylated cytidine"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            015389-001110US
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                                                                                                                               Version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 20;
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                                                              US-08-933-803A-14
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Matches
Query Match 70.0
Best Local Similarity 100.
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                TELEPHONE: 212-596-900
TELEFAX: 212-596-9090
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                               SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA; APPLICATION NUMBER: US/08/933,803A FILLING DATE: 19-SEP-1997 CLASSIFICATION: 536 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE:
DESCRIPTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS
LENGTH: 29 base pairs
                                                                                        MOLECULE TYPE:
                                                                                                                                                                                                                           TELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: FISH & NEAVE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE: 212-596-9000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PPLICANT: Sakaguchi,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PPLICANT:
                                                                                                                                                                                                                                                       NAME: Haley, James F. REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                        TOPOLOGY:
                                                                                                                      STRANDEDNESS:
                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER:
                                                                                                                                    TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REGISTRATION NUMBER:
                                                                          DESCRIPTION:
                                                                                                                                                LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                        10020
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New York
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                                                                                                                                                  29 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Igarashi, Hisanaga
Okumura, Kouichi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Saiga, Akihiko
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                        linear
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/desc = "synthetic
                                                                       other nucleic acid
/desc = "synthetic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Satoshi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DNA MOLECULE RELATING TO SUPPRESSION OF GENE EXPRESSION AND NOVEL PROTEIN
 70.0%; Score 14; DB 100.0%; Pred. No. 58 cive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              70.0%; Score 14; 100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaku
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                                                                                                                                                                                                                                                       27,794
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               DB 4;
58;
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Query Match 65.0%; Score 13; DB 2; Best Local Similarity 100.0%; Pred. No. 1.9e+(Matches 13; Conservative 0; Mismatches
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WEDTUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

SOPTWARE: PatentIn Release #1.0, Version

SOFTWARE: PatentIn Release #1.0, Version

CURRENT APPLICATION DATA:

LING DATE:

FILING DATE:

FILING DATE:
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CORRESPONDENCEE: MEDLEN & CARROLL
ADDRESSEE: MEDLEN & CARROLL
STREET: 200 MONTCOMERY STREET, SUITE 2200
STREET: SAN FRANCISCO
STATE: CARS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
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REGISTRATION NUMBER: 38,230
REFERENCE/DOCKET NUMBER: LBL-01754
REFERENCE/DOCKET NUMBER: LBL-01754
REFERENCE/FOCKET NUMBER: RB-01754
REFERENCE/FOCKET NUMBER: RB-017
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5851769
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                                                      RESPONDENCE ADDRESS
                                                                                                     LICANT: Katz, L. S.
LICANT: Domadio, S.
LICANT: Staver, N.J.
LICANT: Staver, POLYKETIDE-ASSOCIATED SUGAR
LE OF INVENTION: BIOSYNTHESIS GENES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3 TTCCTCTTCCTGC 15
                                                                                                                                                                                                                                                                                      NFORMATION
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WEIER, HEINZ-ULRICH G.
WEIER, HEINZ-ULRICH G.
VENTION: QUANTITATIVE FIBER MAPPING
                                                                                                                                                                                                                                                                                                                      , Application US/08576626A
5998194
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                                                                                                                                                                                                                                              Summers, R.G.
Abbott Laboratories
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DNA (genomic)
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TELEX: FOR SEQ ID NO: 1
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
LENGTH: 31 base pairs
LENGTH: 31 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local S
Matches 13
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ATTORNEY/AGENT INFORMATION:
ANAME: Dianne Casut p.40,943
REGISTRATION NUMBER: 5857
REFERENCE/DOCKET NUMBER: 5857
REFERENCE/TON INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION 1862033
TELEFAX: (847) 938-2623
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PEC-1995
FILING DATE: 21-DEC-1995
CLASSIFICATION DATA:
PRIOR APPLICATION NUMBER:
APPLICATION NUMBER:
                                                                                                        OPERATING SYSTEM: DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
ADDRESSEE: 2000 Penneylvania Avenue, NW
                  FORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS:
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APPLICATION DATA:
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ch imilarity 100.0%; pred. No. 1.8e+02
13; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                          Release #1.0, Version #1.30
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                                                                                               US-08-770-565-4
                                                                                                          RESULT 11
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US-08-487-037-9/c
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                                                                     Patent No. 5846723
                                                                                                                                                                                                     Matches
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Best Local Similarity
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Patent No. 5795863
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, V
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,037
FILING DATE: 07-UN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Wolf, David L.
TITLE OF INVENTION: RECOMBINANT AGENTS AFFECTING THROMBOSIS NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
                                                     GENERAL INFORMATION:
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS
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                                          PPLICANT:
                                                                                                                                                                                                                                                                                               TYPE:
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                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Adler, Reid G. REGISTRATION NUMBER: 30,988
                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION: 514
TORNEY/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                          LENGTH:
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                                                                              4, Application US/08770565
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nucleic acid
NDEDNESS: single
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Kim, Nam Woo
Wu, Fred
Kealey, James T.
Pruzan, Ronald
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2000 Pennsylvania Avenue, NW
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                                                                                                                                                                                                                                                                                                                                                              (202) 887-0763
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                                                                                                                                                                                                                Score 13;
Pred. No.
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
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                                                                                                                                                                                                               DB 1; Lo
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                                                                                                                                                                                                                            Length 45;
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RESULT 12
US-08-031-143B-6/c
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Best Local S
Matches 12
                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 6, Application Patent No. 5518880
                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: LEONARD,
APPLICANT: MCBRIDE,
                                            COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DO
SOFTWARE: WORD PERFECT # 5.1
CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/08/031,
FILING DATE: 12-MAR-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
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TOPOLOGY: lin
MOLECULE TYPE:
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REFERENCE/DOCKET NUMBER: 01/
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
              CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: TITLE OF INVENTION: NUMBER OF SEQUENCES:
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MEDIUM TYPE: Floppy disk
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TITLE OF INVENTION: Methods for Detecting the RNA Component of
                                                                                                                                                                                                                            CITY: NEW YORK STATE: NEW YORK
                                                                                                                                                                                                                                                              STREET:
                                                                                                                                                                                                         COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE:
                                                                                                                                                                                            10154
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: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             nucleic acid
WILLIAM S. FBILER
                                                                                                                                                                                                                                                                                                                                                                                                                                       Application US/08031143B
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         B: TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                345 PARK AVE.
                                                                                                                                                                                                           USA
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                                                                                                                                                                                                                                                                                                                                                                                    LEONARD, WARREN J.; NOGUCHI, MASAYUKI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
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                                                                                                                                                                                                                                                                               MORGAN & FINNEGAN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            single
                                                                                                                       PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                       O. WESLEY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     60.0%; Score 12; 100.0%; Pred. No.
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26
                                                                                                                                                                                                                                                                                                                                  TREATMENT OF XSCID
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                                                                US/08/031,143B
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 2;
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Matches
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Best Local
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                                                                        TELEPHONE: 212-750-
TELEPAX: 212-751-6849
TELEX: 421792
INFORMATION FOR SEQ ID NO: 3
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                            COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORD PERFECT # 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/031,143B
FILING DATE: 12-MAR-1993
CI LEGITICATION: 4.25
                                                                                                                                                                        TELECOMMUNICATION INFORMATION: TELEPHONE: 212-758-4800
                                                                                                                                                                                                                               CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: WILLIAM S. FEILER
                                                                                                                                                                                                                                                                                                                                                                           ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
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DESCRIPTION: OLIGONUCLEOTIDE
(YPOTHETICAL: NO
NTI-SENSE: YES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX:
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REFERENCE/DOCKET NUMBER: 20:
LLECOMMUNICATION INFORMATION:
TELEPHONE: 212-758-4800
                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: 26,728
                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: 345 PARK AVE.
CITY: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: HUMAN
INDIVIDUAL ISOLATE: IL-2R
                                                           STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PE: NUCLEIC ACID
RANDEDNESS: SINGLE
POLOGY: UNKNOWN
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12; Conservative
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NUCLEIC ACID
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                                               UNKNOWN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      JEONARD, WARREN J.; NOGUCHI, MASAYUKI; ACBRIDE, O. WESLEY
SNTION: METHODS FOR DIAGNOSIS AND
OLIGONUCLEOTIDE NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%;
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; Pred. No. 5.9e+02
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; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: HUMAN
; INDIVIDUAL ISOLATE:
US-08-031-143B-33
                                                           ; ORGANISM: HUMAN
; INDIVIDUAL ISOLATE:
PCT-US94-02891-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
Query Match
Best Local Similarity
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Best Local Similarity 100.0%;

Matches 12; Conservative
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PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/031,143

FILING DATE: 12-MAR-1993

APPLICATION NUMBER: 08/121,435

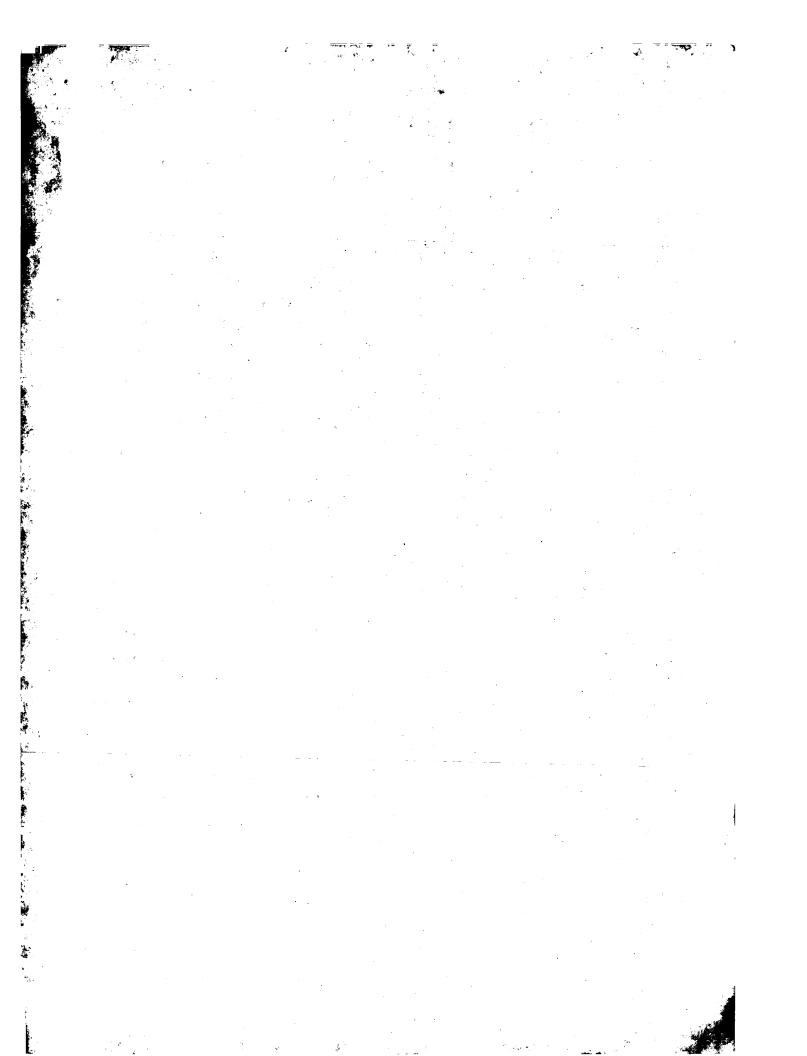
FILING DATE: 14-SEPT-1993

ATTORNEY/ACENT INFORMATION:
                                                                                                                                                                                                                                                                                              TELEFAX: 212-751-6849
TELEX: 421792
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDIUM TYPE: FLOPPY DISK COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOTWARE: WORD PERFECT # 5.1 CURRENT APPLICATION DATA:
                                                                                                              MOLECULE TYPE:
DESCRIPTION: OLIGONUCLEOTIDE
HYPOTHETICAL: NO
ANTI-SENSE: YES
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                       NAME: WILLIAM S. FEILER
REGISTRATION NUMBER: 26,728
REFERENCE/DOCKET NUMBER: 20
TELECOMMUNICATION: INFORMATION:
TELEPHONE: 212-758-4800
TELEPHONE: 212-751-6849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY |
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TYPE: NUCLEIC ACID
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGL
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CORRESPONDENCE ADDRESS:
ADDRESSES: MORGAN & FINNEGAN
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CITY: NEW YORK
STATE: NEW YORK
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LE OF INVENTION: METHODS FOR DIAGNOSIS AND TREATMENT OF LE OF INVENTION: METHODS FOR DIAGNOSIS AND TREATMENT OF LE OF INVENTION: XSCID
SER OF SECTIONS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3 GTTCCTCTTCCT 14
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Job time : 31.3147 secs

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; DBSCRIPTION: OLIGONU
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: HUMAN
; INDIVIDUAL ISOLATE:
PCT-US94-02891-33
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                                                                   Best Local Similarity
Matches 12; Conserv
                                                                                                        Query Match
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SOFTWARE: WORD PERFECT # 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/02891
FILING DATE:
CLASSIFICATION DATA:
CLASSIFICATION DATA:
APPLICATION NUMBER: 08/031,143
FILING DATE: 12-MAR-1993
APPLICATION NUMBER: 08/121,435
FILING DATE: 14-SEPT-1993
                                                                                                                                                                                                                                                                                                                                                              TELEX: 421792
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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SENERAL INFORMATION:
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-758-4800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 14-SEPT-1993
ATTORNEY/AGENT INFORMATION:
NAME: WILLIAM S. FEILER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
STREET: 345 PARK AVE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN APPLICANT: SERVICES
APPLICANT: OFFICE OF TECHNOLOGY TRANSFER, NATIONAL APPLICANT: INSTITUTES OF HEALTH, BOX OTT, BETHESDA, MARYLAND 20892 USA TITLE OF INVENTION: METHODS FOR DIAGNOSIS AND TREATMENT OF TITLE OF INVENTION: XSCID
                                                                                                                                                                                                                                                                             MOLECULE TYPE:
                                                                                                                                                                                                                                                                                          TOPOLOGY: UNKNOWN
                                                                                                                                                                                                                                                                                                              TYPE: NUCLEIC ACID
                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: WILLIAM S. FEI REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: NEW YORK
STATE: NEW YORK
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                                GITCCICTICCT 13
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                                                                   ilarity 100.0%; I Conservative 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IBM PC COMPATIBLE
SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                          OLIGONUCLEOTIDE
                                                                 60.0%; Score 12; DB 5; Length 20; 100.0%; Pred. No. 5.9e+02; ive 0; Mismatches 0; Indels
                                                                                                                                                              IL-2R
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                                                                   Gaps
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Search completed: June 23, 2003, 10:17:03



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Title:
Perfect score:
Sequence:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OM nucleic - nucleic search, using sw model
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Gapop 60.0 , Gapext 60.0
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20
1 CGTTCCTCTTCCTG
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/SIDS2/gcgdata/geneseq/geneseqn-emb1/NA1992.DAT:*
/SIDS2/gcgdata/geneseq/geneseqn-emb1/NA1993.DAT:*
/SIDS2/gcgdata/geneseq/geneseqn-emb1/NA1994.DAT:*
/SIDS2/gcgdata/geneseq/geneseqn-emb1/NA1995.DAT:*
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| AAT36484 | AAT42916 | AAV41169 | AAS09480 | AAS09477 | AAZ23636 | AAZ23632 | AAV41170 | AAV71226 | IJ |
| Upstream PCR prime | Primer 8201RN. amp | BNA COMPONENT Of h | Antisense oligonio | Antisense oligonuc | Human clone 28-1 t | Human clone 28-1 t | RNA component of h | Antisense oliqonuc | Description |

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| Short Human HLA c Human Human Human | | Primer "a332" t EryCIII PCR pri Stenotic caroti Stenotic caroti Stenotic caroti Predicted HPV-1 ASO primer #4 f | Homo sapiens P-TEN PCR primer used to RBBP2 polymorphism Enzymatic RNA mole Soybean 318013 reg Human glutathione Human genomic DNA | Upstream PCR pri Human p53 PCR pr Sugar biosynthes Human SNP oligon RNA component of Human IL-2R gamm |
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| ensu ase I mi leli | spe spe se se ma ma | "a332" to PCR prim c carotid c carotid c carotid c carotid d c HPV-18 mer #2 fo | sapiens P-TEN rimer used to polymorphism antic RNA mole an 318013 reg glutathione genomic DNA | yam PCR prime p53 PCR prim biosynthesis SNP oligonuc omponent of h IL-2R gamma |
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RESULT 1
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XX Synt
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modified_base
Atkinson EM, Kealey JT,
                                                                                                                                                            04-APR-1997;
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Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; telomerase RNA component; anticancer therapy; purification; assay; vaccine; cancer; antisense oligonucleotide; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15-FEB-1999
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                                                                                                                                                                                                                                                                                                                         15-OCT-1998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Antisense oligonucleotide 14ab for human telomerase RNA component.
                                                                            (GERO-) GERON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                CORP.
                                                                                                                                                            97WO-US06012.
                                                                                                                                                                                                                                                 97WO-US06012.
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/note= "biotinylated"
Lichtsteiner SP,
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Pruzan RA;
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Vasserot

AP,

Weinrich

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Best Local S:
Matches 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present sequence represents an antisense oligonucleotide directed against the human telomerase RNA component gene sequences. The oligonucleotide can be used as an affinity agent in the methods of the invention, which are used to purify human telomerase. The methods involve the use of several sequential steeps, including the use of two matrixes that bind molecules bearing negative charges, a matrix that binds molecules bearing positive charges, an affinity purification step and a size separation. Telomerase, an affinity purificancer therapies, and is useful in assays for characterizing (pre) cancerous cells. Telomerase can also be used to screen for specific modulators, for blochemical analysis of its activity, and in preparation of antibodies. Fragments of telomerase, or nucleic acid encoding them, are used in vaccines, and for treating over expression of telomerase,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Purification of telomerase on affinity material diagnosis and treatment of cancer
                                                                                                                                                                                                                                                                                                                                               immune system
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 20 BP; 0 A; 9 C; 4 G; 7 T; 0 other;
Claim 11; Page 65; 80pp; English.
                        New polynucleotide(s) anti:sense to human telomerase - used detecting or inhibiting human telomerase, e.g. for treating contraception, immuno-suppression or treating infection
                                                                                                                                                                         20-DEC-1996;
20-DEC-1996;
                                                                                                                                                                                                                    19-DEC-1997;
                                                                                                                                                                                                                                              02-JUL-1998.
                                                                                                                                                                                                                                                                                                                      Synthetic
                                                                                                                                                                                                                                                                                                                                                                           RNA component; neuroblastoma;
                                                                                                                                                                                                                                                                                                                                                                                                                   RNA component of human telomerase (hTR) antisense oligo 14ab.
                                                                                                                                                                                                                                                                                                                                                                                                                                               08-OCT-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAV41170;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAV41170 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       particularly in cancer.
                                                                                                                Kealey JT,
                                                                                                                                                                                                                                                                           WO9828442-A1
                                                                                    WPI; 1998-377670/32.
                                                                                                                                                                                                                                                                                                     Homo sapiens.
                                                                                                                                             (GERO-) GERON CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6; Page 61; 76pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 CGTTCCTCTTCCTGCGGCCT 20
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                                                                                                               Kim NW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                             ; human telomerase; antisense oligonucleotide; infection; bladder cancer; colon cancer; prostate cancer; cancer; sterilisation; immunosuppression; therapeutic; hTR; down-regulation; anti-inflammatory therapy; ss.
                                                                                                                                                                         96US-0770565.
96US-0770564.
                                                                                                                                                                                                                    97WO-US23619.
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                                           cancers,
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CC Sequences shown in AAV41169 to AAV41181 represent antisense
CC oligonuclectides to the RNA component of human telomerase (hTR). These
CC antisense oligonuclectides specifically hybridise to a nucleotide
CC sequence within an accessible region of the hTR, but that does not
CC hybridise to a sequence within the template region of hTR. These
CC component of human telomerase in a sample. This is useful for diagnosing
CC cancer (especially neuroblastoma, bladder, colon and prostate cancer),
CC and providing prognosis for a cancer patient. The inhibitory
CC oligonuclectides can inhibit the telomerase activity level in a cell by
CC oligonuclectides can inhibit the telomerase activity level in a cell by
CC of the RNA component into the telomerase activity, inhibiting the
CC of the RNA component into the telomerase holeonryme, or inhibiting the
CC of the RNA component into the telomerase holeonryme, or inhibiting the
CC objymerase activity of telomerase activity in both cultured cells and in
CC cells in vivo. They can be used in therapeutice for treating or
CC immunosuppression, and for selectively down-regulating specific branches
CC of the immune system, e.g. a specific subset of T-cells, in
CC nariation or functions or for treating infections by, e.g. yeast,
CC nariation or functions or for treating infections by, e.g. yeast,
                                                                                                          Sequence
                                                                                                                                                                                                                    parasites or fungi.
                                                                                                   20 BP; 0 A; 9 C; 4 G; 7 T; 0 other;
      DB 19;
Length 20;
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밁 S Query Match Best Local S Matches 20 20; 1 CGTTCCTCTTCCTGCGGCCT 20 1 CGTTCCTCTTCCTGCGGCCT Similarity 100.0%; ilarity 100.0%; Conservative 0; 0; Score 20; Pred. No. . 20 Mismatches 0.45; 0 0 0

AAZ23632 standard; DNA;

RESULT 3
ANZZ362
ID ANZZ362
ID ANZZ37
XX
AC ANZZ2
AC ANZZ2
XX
AC ANZZ2
AC ANZZ AAZ23632; 20

07-JAN-2000 (first entry)

Human clone 28-1 telomerase oligonucleotide 14ab

disease; primer; Telomerase; human; immune response; cancer; vaccine; treatment;

Synthetic. Homo sapiens.

US5968506-A.

19-OCT-1999.

04-APR-1997; 97US-0833377

04-AUG-1995; 95US-0510736

(GERO-) GERON CORP.

Atkinson Vasserot AP, Lichtsteiner SP, Weinrich SL, Pruzan Kealey JT;

WPI, 1999-590379/50.

Compositions comprising human telomerase, useful i associated with overexpression of telomerase $e\cdot g\cdot$ for treating diseases . cancer -

Disclosure; Column 45-46; 34pp; English.

This invention describes a novel composition comprising human telomerase having at least 2000-fold (preferably at least 60000-fold) increased relative purity compared with crude extract of cells from

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RESULT 4
AAZ23636
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                                                        This invention describes a novel composition comprising human telomerase having at least 2000-fold (preferably at least 60000-fold) increased relative purity compared with crude extract of cells from adenovirus-transformed kidney cell line. The composition is useful for eliciting an immune response in animals and may therefore be used as a vaccine for treating diseases associated with the overexpression of telomerase e.g. cancer. ARZ3662-Z3637 represent oligonucleotides used in the isolation of human clone 28-1 which contains a fragment of the human telomerase described in the method of the invention.
                                    Sequence
                                                                                                                                                                                                     Compositions comprising human telomerase, useful associated with overexpression of telomerase e.g.
                                                                                                                                                                                                                                                                   Atkinson EM,
Vasserot AP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  adenovirus-transformed kidney cell line. The composition is useful for eliciting an immune response in animals and may therefore be used as a vaccine for treating diseases associated with the overexpression of telomerase e.g. cancer. AAC23668-Z23637 represent oligonucleotides used in the isolation of human clone 28-1 which contains a fragment of the human telomerase described in the method of the invention.
                                                                                                                                                                                Disclosure;
                                                                                                                                                                                                                                           WPI; 1999-590379/50
                                                                                                                                                                                                                                                                                                                              04-AUG-1995;
                                                                                                                                                                                                                                                                                                                                                      04-APR-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         disease; primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Telomerase; human; immune response; cancer; vaccine; treatment;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAZ23636;
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                                    BP;
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                                                                                                                                                                                                                                                                              Lichtsteiner SP,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           telomerase oligonucleotide oligo 14ab
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"5'-biotinylated cytidine"
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Local Similarity

Score 20; Pred. No.

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Best Local S
Matches 20
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                                                                                                       for inducing a humoral or cell-mediated immune response in an animal. Purified telomerase or immunogenic fragments are useful as vaccines for treating diseases associated with over-expression of telomerase, such as cancer and for producing antibodies that recognize telomerase, which are useful as affinity agents in isolating the proteins and for detecting the presence of proteins in a sample, such as cell or tissue. Identification of telomerase aids in diagnosis of cancer or pre-cancerous states. Telomerase and/or telomerase associated proteins agents that alter the association of telomerase-associated proteins, such as nucleolin or EF2H with
                                                                        Sequence
                                                                                                                                                                                                                                                                 to a purified human 2000-fold increased
                                                                                                                                                                                                                             with telomerase RNA component has DNA polymerase activity and a molecular weight of 200-2000 kilo Daltons (kDa). The purified telomerase is useful
                                                                                                                                                                                                                                                   the purification of human telomerase. The invention relates
to a purified human telomerase core enzyme protein comprising
2000-fold increased purity compared with a crude extract of cells from
adenovirus-transformed kidney cell line (293 cells) and when associated
                                                                                                                                                                                                                                                                                                                           Disclosure; Column 2;
                                                                                                                                                                                                                                                                                                                                                    with cytoplasmic crude cell
                                                                                                                                                                                                                                                                                                                                                              Purified human telomerase, animals, comprises several
                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2001-450477/48.
                                                                                                                                                                                                                                                                                                                                                                                                                         Kealey JT;
                                                                                                                                                                                                                                                                                                                                                                                                                                    Weinrich SL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    04-APR-1997;
04-AUG-1995;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      nucleolin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Antisense oligonucleotide for human telomerase, Oligo 14ab
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24-OCT-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAS09477;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAS09477 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GERO-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens
                                                                                                                                                                                                                                                                                                     sequence represents an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Telomerase; vaccine; antibody;
lin; antisense oligonucleotide;
                          20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20;
                                    Similarity
  CGTTCCTCTTCCTGCGGCCT
                                                                        20
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                                                                        ₽P;
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                          Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                       Atkinson
                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORP
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                                                                        0
                                                                       ₽,
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                                                100
                                    100.0%;
                                                                                                                                                                                                                                                                                                                         29pp;
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                                                                                                                                                                                                                                                                                                     antisense oligonucleotide used in
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                                                                                                                                                                                                                                                                                                                                                  preparations
                                                                                                                                                                                                                                                                                                                                                                                                                                      Lichtsteiner SP,
                                                                                                                                                                                                                                                                                                                           English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0,
                        Score 20; DE
Pred. No. 0.4
0; Mismatches
  20
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                                                                        0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; cancer; Oligo 1
                                                                       other;
                                    0.45;
                                                명
                                                                                                                                                                                                                                                                                                                                                             increased purity comp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   r; EF2H;
                                              22;
                        0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ۰,
                                              Length 20;
                        Indels
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                                                                                                                                                                                                                                                                                                                                                             compared
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                        0
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                                                                                                                                                             se, such as
which are
ing the
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                      Gaps
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AAS09480 standard; DNA; 20

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                                                                                                                                                      The sequence represents a biotinylated antisense oligonucleotide CC used in the purification of human telomerase. The invention comprising CC relates to a purified human telomerase. The invention comprising CC 2000-fold increased purity compared with a crude extract of cells from adenovirus-transformed kidney cell line (293 cells) and when associated CC which telomerase RNA component has DNA polymerase activity and a molecular complete the component of the purified telomerase is useful CC purified telomerase or immunogenic fragments are useful as vaccines for treating diseases associated with over-expense in a naimal. CC treinducing a humoral or cell-mediated immune response in a vaccines for treating diseases associated with over-expension of telomerase, such as CC cancer and for producing antibodies that recognize telomerase, which are CC useful as affinity agents in isolating the proteins and for detecting the presence of proteins in a sample, such as cell or tissue. Identification CC of telomerase and/or telomerase ansociated proteins are also useful for CC telomerase and/or telomerase associated proteins are also useful for CC telomerase-associated proteins, such as nucleolin or EF2H with
                                                         Query Match
Best Local S
Matches 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; Telomerase; va
nucleolin; antisense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Antisense oligonucleotide for human telomerase, Oligo 14ab
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   24-OCT-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          04-APR-1997;
04-AUG-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US6261556-B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Purified human telomerase, useful for inducing immune response in animals, comprises several thousand folds increased purity compared with cytoplasmic crude cell preparations -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18-OCT-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; Column 18; 29pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Weinrich SL,
                                                                                                                  Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GERO-) GERON
                                                         Similarity
20; Conserv
CGTTCCTCTTCCTGCGGCCT 20
                                                                                                                   BP;
                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Atkinson EM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          97US-0833377.
95US-0510736.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /*tag= a
/mod_base= C
/note= "C is biotinylated"
                                                                                                                   P;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          vaccine; antibody; cancer; EF2H;
se oligonucleotide; Oligo 14ab; s
                                                         100.0%; Score 20; DB 22; 100.0%; Pred. No. 0.45; tive 0; Mismatches 0;
                                                                                                                   φ
                                                                                                                   C; 4 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Lichtsteiner SP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Vasserot
                                                            <u>,</u>
                                                                                      Length 20;
                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ΑP,
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                                                            Gaps
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1 cerrecrerecreceser 20

20

Query Match Best Local S Matches 20

Similarity

100.0%; Score 20; DE ilarity 100.0%; Pred. No. 0.4 Conservative 0; Mismatches

0.44; DB 19;

Length 30; Indels

0

0

Gaps

0,

Sequence 30 BP; 4 A; 10 C; 8 G; 8 T; 0 other;

parasites or fungi.

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RESULT 7
AAV41169
ID AAV4
AC A
                                                                                                  CC oligonucleotides to the RNA component of human telomerase (hTR). These CC antisense oligonucleotides specifically hybridise to a nucleotide sequence within an accessible region of the hTR, but that does not conjuncted to a sequence within the template region of hTR. These CC hybridise to a sequence within the template region of hTR. These CC oligonucleotides may specifically be used for detection of an RNA camponent of human telomerase in a sample. This is useful for diagnosing CC cancer (especially neuroblastoma, bladder, colon and prostate cancer), CC and providing prognosis for a cancer patient. The inhibitory can disponucleotides can inhibit the telomerase activity level in a cell by conjuncted the telomerase RNA component transcript, inhibiting assembly confire ferring with transcription of the RNA component transcript, inhibiting the colorerase RNA component transcript, inhibiting the colorerase colorerase activity in both cultured cells and in CC be used for inhibiting telomerase activity in both cultured cells and in CC cells in vivo. They can be used in therapeutics for treating or cells in vivo. They can be used in therapeutics for treating contaction, and for selectively down-regulating specific branches cof the immune system, e.g. a specific subset of T-cells, in contacted contact
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Homo sapier
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New polynucleotide(s) anti:sense to human telomerase - used for detecting or inhibiting human telomerase, e.g. for treating cancers, contraception, immuno-suppression or treating infection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RNA component; human telomerase; antisense oligonucleotide; infection; neuroblastoma; bladder cancer; colon cancer; prostate cancer; cancer; contraception; sterilisation; immunosuppression; therapeutic; hTR; immune system down-regulation; anti-inflammatory therapy; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAV41169 standard; DNA; 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RNA component of human telomerase (hTR) antisense oligo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            08-OCT-1998
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 11; Page 65; 80pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1998-377670/32.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20-DEC-1996;
20-DEC-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   sapiens.
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96US-0770564
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RESULT 9
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AAT42916/c
                                                                                                                                                                                                             Query Match
Best Local S
Matches 14
                                                                                                                                                                                                                                                                      construction of the plasmid of the invention. The plasmid contains a DNA sequence encoding the protein TSP-1 in conjunction with a DNA molecule with gene expression regulation activity. The plasmid is used for regulation of gene expression, and treatment of viral infection pref. human T-cell leukaemia and HIV. The plasmid also encodes a protein which is used as an antivirus agent, and also in a method for detecting cancer. The DNA molecule and protein have potential uses in gene therapy, and the plasmid may also have potential use in the treatment of TSP.
                                                                                                                                                                                                                                                                                                                                                                                                                e.g.
         Primer; PCR; polymerase chain reaction; amplification; human; p53 gene; tumour; cancer; Cx3; mutation; Val 143 Ala; assay; Hai Cleavage site; detection; gel electrophoresis; diagnosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      gene
                                                                          09-OCT-1996
                                                                                                                 AAT36484 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                   DNA molecule with
                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1996-455367/45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              gene expression; regulation;
human T-cell leukaemia; HIV;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Primer 8201RN,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAT42916;
                                                      Upstream
                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                         Example 1; Page 48; 77pp; Japanese
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     27-APR-1995;
24-MAR-1995;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAT42916 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Igarashi H, Okumura
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SHIO ) SHIONOGI & CO LTD.
                                                                                                                                                                                                                                                                                                                                                                                                              for detecting cancer
                                                                                                                                                                                                                                                                                                                                                                                                                         treatment of
                                                                                                                                                                     19
                                                                                                                                                                                                             14;
                                                                                                                                                                                         σ
                                                                                                                                                                                                                       Similarity
                                                      PCR
                                                                                                                                                                                                                                                        29
                                                                                                                                                                                         CTCTTCCTGCGGCC 19
                                                                                                                                                                                                                                                       BP;
  probe hybridisation;
                                                                                                                                                                                                             Conservative
                                                    primer for p53 gene region contg. Val
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                          (first
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95JP-0066559.
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                                                                                                                                                                                                                                                                                                                                                                                                                         gene expression regulation human T-cell leukaemia and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DNA;
                                                                          entry)
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                                                                                                                  ВP
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                                                                                                                                                                                                                     Score 14;
Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              antivirus agent;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       plasmid; viral infection;
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                                                                                                                                                                                                                                                       σ
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                                                                                                                                                                                                            Mismatches
  nude mouse
                                                                                                                                                                                                                                                      T; 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Saiga
                                                                                                                                                                                                                   DB 17; ]
. 4.2e+02;
                                                                                                                                                                                                                                                      other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           P
xenograft;
                                                                                                                                                                                                                                                                                                                                                                                                                       activity -
HIV, as ant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sakaguchi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              detection; cancer;
                                                                                                                                                                                                                                Length 29
                                                                                                                                                                                                             Indels
                                                     143 Ala mutation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                         antivirus
                                                                                                                                                                                                                                                                                                                                                                                                                                   for use in
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                                                                                                                                                                                                                                                                                                                                                                                                                        agent
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Best Local
                                                                                                                                                                                                                                                                                                                                       Matches
22-MAR-1993;
06-DEC-1989;
17-AUG-1992;
29-MAR-1989;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             06-DEC-1989;
29-MAR-1989;
17-AUG-1992;
                                                                                                                                                                                                                                                                                                                                                                                                        The primer pair AAT36484/85 was used for the PCR amplification of a 111 bp fragment of the human p53 gene, which may contain the tumour nude mouse xenograft (Cx3) mutation, Val 143 Ala, where the wild type codon 143 GTG is substd. with GCG. This mutation also introduces a new HhaI site (GCGC at nucleotides 427-430), so that HhaI cleavage of a PCR prod. amplified from a mutant template produces 68 and 43 nucleotide subfragments, which can be detected by gel electrophoresis separation, followed by radioactive probe hybridisation. This assay can be used to diagnose the presence of
                                                                                                                                              Human;
brain;
                                                                                                                                   tumour;
                                                                                                                                                                                                                                                                                                                                                                               Sequence 21 BP; 2 A; 9 C; 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      29-MAR-1989;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic
                                                    02-JUN-1995;
                                                                       18-JUL-2000
                                                                                            US6090566-A.
                                                                                                              Homo sapiens.
                                                                                                                                                                            Upstream PCR
                                                                                                                                                                                                 27-NOV-2000
                                                                                                                                                                                                                      AAA72585;
                                                                                                                                                                                                                                          AAA72585
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 4; Column 10; 38pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      neoplastic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Baker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US5527676-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              VINU ( OFAN)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18-JUN-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ខ្ម
                                                                                                                                 p53; chromosome 17p; neoplastic tissue detection; lung; breast;
colorectal; bladder; mesenchyme; prostate; stomach; cancer;
; leukaemia; osteosarcoma; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                      13;
                                                                                                                                                                                                                                                                                                                 w
                                                                                                                                                                                                                                                                                              -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     acid assay for cancer detec
tic p53 gene with wild-type
                                                                                                                                                                                                                                                                                                                                                Similarity
                                                                                                                                                                                                                                                                                                                                                                                                  143 Ala mutation,
                                                                                                                                                                                                                                                                                                       TTCCTCTTCCTGC
                                                                                                                                                                                                                                         standard; DNA; 21
                                                                                                                                                                                                                                                                                              TTCCTCTTCCTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Fearon
                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                            primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              JOHNS HOPKINS.
                                                                                                                                                                                                 (first
         93US-0047041.
89US-0446584.
92US-0928661.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  89US-0446584.
89US-0330566.
92US-0928661.
93US-0047041.
                                                    95US-0459676
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      89US-0330566
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ER,
                                                                                                                                                                           for mutant p53 gene fragment amplification
                                                                                                                                                                                                 entry)
                                                                                                                                                                                                                                                                                                                                               65.0%;
                                                                                                                                                                                                                                                                                              13
                                                                                                                                                                                                                                                                                                                 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Nigro
                                                                                                                                                                                                                                                                                                                                                                                                  and therefore the Cx3
                                                                                                                                                                                                                                          ₽P
                                                                                                                                                                                                                                                                                                                                      <u>,,</u>
                                                                                                                                                                                                                                                                                                                                                                              G; 8 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ĭ,
                                                                                                                                                                                                                                                                                                                                                Score 13;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      detection
                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Vogelstein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    n - based
gene
                                                                                                                                                                                                                                                                                                                                               DB 17; I
1.3e+03;
                                                                                                                                                                                                                                                                                                                                      0
                                                                                                                                                                                                                                                                                                                                                                                                   tumour.
                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               on comparing
                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                        21;
                                                                                                                                                                                                                                                                                                                                     0
                                                                                                                                                                                                                                                                                                                                     Gaps
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RESULT 11
AA447842
ID AA447
XX
AC AA447
AC AA447
AC AA447
AX Human
XX
Homo
XX
Homo
XX
Homo
XX
HOM
XX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    β
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CC A method for determining whether a human tissue is neoplastic comprises CC detecting an alteration in the amino acid sequence of the p53 proteins in CC a neoplastic tissue and wild type tissue by comparing binding of a CC memoclonal antibody to the two p53 proteins and detecting loss of binding CC in the mutant compared to the wild type protein Alternatively a mutation CC may be detected by testing the ability of the p53 proteins to bind an CC antigen. Several genetic alterations occur during colorectal tumour CC formation, the most common of which are deletions of the short arm of CC p53 gene occur in a wide variety of cancers. The method of the invention CC is useful for the diagnosis of neoplastic tissues such as lung, breast, CC brain, colorectal, bladder, mesenchyme, prostate or stomach tumours and CC fine present sequence represents a PCR primer used to amplify a fragment CC of the human p53 gene from a tumour which has an allelic deletion of CC that the tumour carries a point mutation at codon 143 of the p53 gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local S
Matches 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Determining neoplastic tissue by detecting alteration in sequence of neoplastic p53 proteins and wild type p53, comparing antibody binding to p53 proteins or testing antigen complexing ability of p53 proteins
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 4; Column 10; 19pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2000-531419/48.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 21 BP; 2 A; 9 C; 2 G; 8 T; 0 other;
                               Claim 2; Page 10; 12pp; Japanese
                                                                                       A method
                                                                                                                                                                                                                                                                                                                                05-NOV-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   JP2001128685-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human p53 PCR primer 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21-SEP-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAH47842;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAH47842 standard; DNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (UYJO ) UNIV JOHNS HOPKINS
                                                                                                                                                     WPI; 2001-373029/39
                                                                                                                                                                                                                                                                     05-NOV-1999;
                                                                                                                                                                                                                                                                                                                                                                                           15-MAY-2001.
                                                                                                                                                                                                          (IATR ) IATRON LAB INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ä,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3 TTCCTCTTCCTGC 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      p53; PCR primer; immunological detection; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
                                                                                          for detection of variation of human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Fearon ER,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                     99JP-0315678:
                                                                                                                                                                                                                                                                                                                                99JP-0315678.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              65.0%; Score 13; DB 21; 1 100.0%; Pred. No. 1.3e+03; tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Baker SJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Vogelstein B;
                                                                                              p53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 21;
                                                                                              gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ٥,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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RESULT 12
AAT72696/c
ID AAT72696;
XX AAT72696;
XX 18-SEP-1997 (first entry)
XX Sugar biosynthesis gene eryB:
XX New Polyketide; glycosylation; entribungal; fung;
XX nantbiotic; antifungal; fung;
XX polymerase chain reaction; entribungal; fung;
XX polymerase chain reaction; entribungal; fung;
XX polymerase chain reaction; entribungal; fung;
XX antbelmintic; Saccharopolyse;
XX antbelmintic; Saccharopolyse;
XX polymerase chain reaction; entribungal; fung;
XX polymerase chain reaction; entribungal; fung;
XX polymerase chain reaction; entribungal; en
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ភភភភភភភភភភ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            á
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local S
Matches 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present sequence is that of a PCR primer for detection of variation in the human p53 gene useful to the invention. The invention relates to detection of variation in the human p53 gene with an antibody which specifically react with human p53 protein by steps of: immunological detection of a sample with immunological staining; separation of stained and un-stained cells; extraction of genome DNA from stained cells; extraction of genome DNA from stained an area of variation of human p53 gene from the genome DNA obtained in the preceding extraction step; and analysis of the reaction product.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 21 BP; 2 A; 9 C; 2 G; 8 T; 0 other;
                                                                     2 PCR primers (AAT72696-97) were used to amplify a 1.0 kb DNA segment comprising nuclectides 2385-3410 of a Saccharopolyspora erythraea gene segment (AAT72684), covering the eryBli gene that encodes an enzyme (AAW19736) involved in L-mycarose biosynthesis. The amplified DNA was utilised in the construction of plasmid pXB4 and hence of plasmid pXB6, which was used to transform Streptomyces antibioticus ATCC 11891, resulting in prodn. of the novel polyketide 3-des-oleandrosyl-3-mycarosyl oleandomycin.
                                                                                                                                                                                                                                                                                                                                                                                                                                     New genes involved in sugar biosynthesis and attachment - used generate polyketide antimicrobials etc. with altered pattern of glycosylation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Polyketide; glycosylation; eryBII; L-mycarose; antimicrobial; antibiotic; antifingal; fungicide; anticancer; cytostatic; antibelmintic; Saccharopolyspora erythraea; primer; PCR; polymerase chain reaction; pXB6; oleandomycin; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sugar biosynthesis gene eryBII PCR primer.
                                                                                                                                                                                                                                                                                                                                                                       Example 3; Page 25; 85pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        w
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TTCCTCTTCCTGC 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TTCCTCTTCCTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              95US-0576626
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                96WO-US20238.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Staver MJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Summers RG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 22; I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      stained
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Query Match 65.0%; Sometime 100.0%; Best Local Similarity 100.0%; Matches 13; Conservative 0;

Score 13; DB; Pred. No. 1.3

DB 18; L. 1.3e+03; 0;

Length 31;

Indels

0

Gaps

0

Sequence 31 BP; 10 A; 8 C; 11 G; 2 T; 0 other;

RESULT 13 AAL34593/c ID AAL345

AAL34593 standard;

DNA;

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ΒP

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19

8

20

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                               δ
                                                                                                                                     Best Loc
Matches
                                                                                                  Query Match
                                                                                                                                                                                                               proteins, cytochromes, kinesins, cytokines, interferons, interleukins, 6-protein coupled receptors and thioesterases. The present sequence is one such oligonucleotide. The oligonucleotides and the peptides encoded by them may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate expression of the proteins listed above. Disorders that may be prevented, diagnosed and/or treated include multifactorial diseases with a genetic component, such as autoimmune diseases (e.g. rheumatoid arthritis, multiple sclerosis, diabetes, systemic lupus erythromatosus and Grave's disease), inflammation, cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Polymorphic nucleic acids encoding e.g. amylases, oncogenes and histones, useful for diagnosing and cancer, autoimmune diseases and infections -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    neuroprotective; antimicrobial; gene therapy; vaccine; amylase; cancer; amyloid protein; angiopoietin; apoptosis related protein; cadherin; cyclin; polymerase; oncogene; histone; kinase; colony stimulating factor;
                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                   variants of proteins related to amylases, amyloid proteins, angion apoptosis related proteins, cadherin, cyclin, polymerase, oncogen histores, kinases, colony stimulating factors, complement related
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2001-465210/50.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               28-DEC-1999; 99US-0173419.
27-DEC-2000; 2000US-0173419.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  28-DEC-2000; 2000WO-US35498
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    05-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human SNP oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAL34593;
                                                                                                                                                                                                                                                                                                                                                                                                         The present invention relates to oligonucleotides encoding polymorphic variants of proteins related to amylases, amyloid proteins, angiopoiet.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200147944-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      nervous system disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        multifactorial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           24-JAN-2002
                                                                                                                                                                                 systemic lupus erythromatosus and Grave's disease), inflammation, cancer
(e.g. cancers of the bladder, brain, breast, colon and kidney,
leukaemia), diseases of the nervous system and an infection of pathogeni
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (CURA-) CURAGEN CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         complement
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        nterleukin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        mmunosuppressive;
                                                                                  Local
21
                                                                  13;
                                                                                  Similarity
                                                                                                                                   50
                                 TCTTCCTGCGGCC 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Page 3646; .4143pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 related protein; cytochrome; kinesin; cytokine; interferon; n; G-protein coupled receptor; thioesterase; inflammation; rial disease; autoimmune disease; infection;
                                                                                                                                  BP;
                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Leach
                                                                                                                                   17
                                                                                                                                  A; 12 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       immunostimulatory;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3
                                                                             100.0%;
                                                                                                  65.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          #7801.
                                                                 0
                                                                                                                              15 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     English
                                                                                  Score 13;
Pred. No.
                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       antiinflammatory; cytostatic;
                                                                                                  DB '22;
                                                                               .3e+03;
                                                                                              Length 50;
                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cyclins, polymerases, treating, e.g.
                                                                                                                                                                                                                                                                                                                                                                                    oncogenes,
                                                                                                                                                                                                                                                                                                                                                                                                        angiopoietin,
                                                                 <u>,,</u>
                                                                                                                                                                                 of pathogenic
                                                             Gaps
                                                                 0
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Query Match Best Local S Matches 12

. Similarity 12; Conserv

Conservative

100.0%; --

Score 12; DB 19; Pred. No. 4.3e+0;

4.3e+03;

Length 12;

0;

Gaps

0;

CGTTCCTCTTCC 12

12

Sequence

2

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                                                                                                                CC hybridise to a sequence within the template region of hTR. These CC oligonucleotides may specifically be used for detection of an RNA CC component of human telomerase in a sample. This is useful for diagnosing CC cancer (especially neuroblastoma, bladder, colon and prostate cancer), and providing prognosis for a cancer patient. The inhibitory CC oligonucleotides can inhibit to the telomerase activity level in a cell by interfering with transcription of the RNA component, decreasing the CC of the RNA component into the telomerase holoenzyme, or inhibiting assembly CC of the RNA component into the telomerase holoenzyme, or inhibiting the CC of the RNA component into the telomerase holoenzyme, or inhibiting the CC oligonary of telomerase. These antisense oligonacleotides can be used for inhibiting telomerase activity in both cultured cells and in CC cells in vivo. They can be used in therapeutics for treating or cells in vivo. They can be used in therapeutics for treating or the immunosuppression, and for selectively down-regulating specific branches of the immune system, e.g. a specific subset of T-cells, in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequences shown in AAV41169 to AAV41181 represent antisense oligonucleotides to the RNA component of human telomerase (hTR). The antisense oligonucleotides specifically hybridise to a nucleotide sequence within an accessible region of the hTR, but that does not
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 11; Page
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Search completed: June 23, 2003, 05:43:34 Job time : 134.216 secs
                                                                                                            Query Match 60.0%; Score 12; DB 15; Length 20; Best Local Similarity 100.0%; Pred. No. 4.2e+03; Matches 12; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                         AAQ71911 to AAQ71975 are primers for the human IL-2R gammma gene, these were used to amplify DNA from mutated and normal IL-2R gamma genes. The mutated gene DNA was obtained either from female carriers or male sufferers of x-linked severe combined immunodeficiency (XSCID). The amplified DNA from normal and affected individuals was then compared using a variety of methods including northern blotting and dot and slot hybridisation. From this a claimed method for the diagnosis of XSCID carriers and sufferers was developed.
                                                                                                                                                                                                                                                                                                                                                  Diagnosis of X-linked severe combined immunodeficiency (XSCID) comprises detecting mutated IL-2R gamma gene, also vectors and transgenic animals containing the mutated gene
                                                                                                                                                                    Sequence 20 BP; 2 A; 9 C; 1 G; 8 T; 0 other;
                                                                                                                                                                                                                                                                                                                          Claim 12; Page 88; 98pp; English.
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XSCID; interleukin; ss.
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/mote= "Biotin covalently bound to cytosine"
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GenCore version (c) 1993 - 2003

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SOURCE RESULT A84604 LOCUS Result No. 00000000000 0000 0.0 000 ORGANISM Score 20 bp Asylvance 14 from Patent WO9845450. 1 (bases 1 to 20)
Atkinson,E.M. and Kealey,J.T.
PURIFIED TELOMERASE
Patent: WO 9845450-A 14 15-OCT-1998;
GERON CORP (US) unidentified unclassified unidentified A84604.1 Query Match 11111 10000 GI:6733517 Length BB AR077185 AR077186 AR077187 AR017784 AR017785 AR036791 AR166765 AX339205 AR086036 AR160506 I38898 AR051289 I16937 I45731 AX283664 AX166899 AR051288 AX196979 BD002728 AR162875 AR194025 A84597 AR079898 AR146661 A84604 AR063827 AR079894 AR017782 AR017783 AR092735 AR024197 187929 I16936 I45730 H AR017787 AR051324 A35686 AR067594 AR063828 ALIGNMENTS SUMMARIES DNA linear AR051289 Sequence
116937 Sequence 6
145731 Sequence 6
AR036791 Sequence
AR166765 Sequence
AR339205 Sequence
AR086036 Sequence
AR160506 Sequence
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Minimum DB Maximum DB Title: Perfect score: Post-processing: Listing first Word size Scoring table: OM nucleic number of seq length: seq length: nucleic search, using hits OLIGO_NUC Gapop 60.0 , June 23, 2003, 01:05:28 ; Search time 232.59 Seconds (without alignments) 2502.502 Million cell updates/sec US-08-770-564A-3 2054640 seqs, 14551402878 GenEmbl: * CGTTCCTCTTCCTGCGGCCT gb_pat: gb_ph:* gb_pi:* gb_pr:* gb_pr:* gb_ro:* gb_ro:* gb_sy:* gb_sy:* em_ba::* em_hum::* em_in::* gb ba:*
gb htg:*
gb in:*
gb_om:*
gb_ov:* em_htg_mam:*
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1 (bases 1 to 20)

1 (bases 1 to 20)

Weinrich, S.L., Atkinson, E.M. III, Lichtsteiner, S.P., Vasserot, A.P.,

Pruzan, R.A. and Kealey, J.T.

Purified telomerase

Purified telomerase

Patent: US 5968506-A 7 19-OCT-1999;

Pocation/Qualifiers
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Kim,N.WOO., WL,F., Kealey,J.T., Pruzan,R. and Weinrich,S.L.
Methods for detecting the RNA component of telomerase
Patent: US 5846723-A 3 08-DEC-1998;
Location/Qualifiers
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AR063827.1 GI:5993135
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Kim,N.Woo., Wu,F., Kealey,J.T., Pruzan,R. and Weinrich,S.L.

Methods for detecting the RNA component of telomerase

Patent: US 5846723-A 2 08-DEC-1998;

Location/Qualifiers

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1 (bases 1 to 20)

Atkinson, E.M. and Kealey, J.T.

PURIFIED TELOMERASE
Patent: WO 9845450-A 7 15-OCT-1998;
GERON CORP (US)
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AR067594
LOCUS
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AUTHORS
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AR146661/c
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                                                 I (bases 1 to 20)
Gray,J.W. and Weier,H.-U.G.
Quantitative DNA fiber mapping
Quantity US 5851769-A 1 22-DEC-1998;
Patent: US 5851760-A 1 22-DEC-1998;
                                                                                                                                                          Sequence 1 i
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Weinrich, S.L., Arkinson, B.M. III, Lic
Pruzan, R.A. and Kealey, J.T.

Purified telomerase

Patent: US 5968506-A 14 19-OCT-1999;
Location/Qualifiers
                                                                                                                     Unknown
                                                                                                                                                                                                                                                                                                                                                                               1 (bases 1 to 29)
Saiga, A., Orita, S., Ic
DNA molecule relating
                                                                                                                                                  AR067594.1
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                                                                                                                                                                                                                                                                                                                                                                                                                         Unknown
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Location/Qualifiers
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8 c 2 g
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5 c 10 g
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8 c 4 g
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Pred. No.
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Pred. No.
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AR024198/c
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AR024197/c
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Summers,R.G. Jr., Katz,L., Donadio,S. and Staver,M.J.
Polyketide-associated sugar biosynthesis genes
Patent: US 5998194-A 15 07-DEC-1999;
Location/Qualifiers
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AR092735
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Patent: US 5795863-A 8 18-AUG-1998;
Location/Qualifiers
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AR063828
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A35686/c
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Best Local Similarity 100.
Matches 13; Conservative
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Sequence 4 1
AR063828
AR063828.1
                                                         synthetic construct.
synthetic construct
artificial sequences.
1 (bases 1 to 19)
1 (bases 1 to 19)
1 (camble, R. and Edge, M.D.
Analogous interferon polypeptides, process for their and pharmaceutical compositions containing them patent: EP 0194006-A 131 10-SEP-1986;
IMPERIAL CHEMICAL INDUSTRIES PLC
LOCATION/Qualifiers
                                                                                                                                                                                                                                                                                                           1 CGTTCCTCTTCC 12
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1 CGTTCCTCTTCC 12
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l Similarity 100.0%; Pred. No. 1.4e+04;
12; Conservative 0; Mismatches 0; Indels
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1. 45
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Synthetic human IFN-alpha 2 gene oligo.
A35686
A35686.1 GI:1927068
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Kim,N.Woo., Wu,F., Kealey,J.T., Pruzan,R. and Weinrich,S.L.
Methods for detecting the RNA component of telomerase
Patent: US 5846723-A 4 08-DEC-1998;
Location/Qualifiers
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6 c 1 g
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9 c 18 g
         /organism="synthetic construct"
/db_xref="taxon:32630"
5 c 6 g 4 t
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100.0%; Pr
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1 (bases 1 to 20)
1 (bases 1 to 20)
Leonard, W.J., Noguchi,M. and McBride,O.Wesley.
Methods for diagnosis of XSCID and kits thereof
Patent: US 5518880-A 6 21-MAY-1996;
Location/Qualifiers
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Leonard, W.J., Noguchi, M. and McBride, O. Wesley.
Methods for diagnosis of XSCID and kits thereof
Patent: US 5518880-A 33 21-MAY-1996;
Location/Qualifiers
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Search completed: June 23, 2003, Job time : 234.051 secs

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Copyright (c) 1993 - 2003 Compugen Ltd.
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US-09-660-222-124417
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US-09-953-570-231778
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US-10-355-577-396546
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22842, A
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GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Arabidopsis Thaliana
FILE REFERENCE: 3116.1
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CURRENT FILING DATE: 2000-09-17
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ALIGNMENTS

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PRIOR FILING DATE: 2000-09-18
NUMBER OF SEQ ID NOS: 131820
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 45573
LENGTH: 25
TYPE: DNA
ORGANISM: Arabidopsis thaliana
US-09-954-445A-45573
                                                                                                                                                                                                                                                             US-10-355-577-396546/c
Sequence 396546, Application US/1035577

Sequence 396546, Application US/1035577

GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 396546
LENGTH: 25
TYPE: DNA
ORGANISM: Homo sapien
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Pred. No. 9.1e+03;
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US-10-355-577-396546

Local Similarity

100.0%; Score 12; 100.0%; Pred. No.

9.1e+03;

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Length 25

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US-60-427-836-683575, pplication US/60427836; Sequence 683575, Application US/60427836; GENERAL INFORMATION:

APPLICANT: Xue Mei Zhou
ITITLE OF INVENTION: Methods of Genetic Analysis of Rat.
FILE REFERENCE: 3527
CURRENT APPLICATION NUMBER: US/60/427,836
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1; SEQ ID NO 683575
LENGTH: 25
         US-10-303-778-7627
Sequence 7627, Application US/10303778
GENERAL INFORMATION:
APPLICANT: ROSECLAGENOMICS
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL, TITLE OF INVENTION: REGULATORY GENES AND USES THEREOF FILE REFERENCE: 47416
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US-10-303-778-7608
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US-60-427-836-683575
                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/10/303,778
CURRENT FILING DATE: 2002-11-26
NUMBER OF SEQ ID NOS: 17668
SOFTWARE: Patentin version 3.1
SEQ ID NO 7608
LENGTH: 17
TYPE: DNA
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GENERAL INFORMATION:
APPLICANT: ROSELTAGENOMICS
TITLE OF INVENTION: BIOINFORMATICALLY
TITLE OF INVENTION: REGULATORY GENES
FILE REFERENCE: 47416
FILE REFERENCE: 47416
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Matches 12
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Matches 11; Conservative
KRENT APPLICATION NUMBER: US/10/303,778
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Local Similarity 100.0%;
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100.0%; Pr
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Pred. No.
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                                                                                                                                   ; OTHER INFORMATION: Antisense Oligonucleotide US-10-315-474-66
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US-10-310-188-65996
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; ORGANISM: Homo sapiens
US-10-303-778-7627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: ROSELTAGEMONICS
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GEN-
TITLE OF INVENTION: USES THEREOF
FILE REFERENCE: 47487
CURRENT APPLICATION NUMBER: US/10/310,188
CURRENT FILING DATE: 2002-12-19
NUMBER OF SEQ ID NOS: 86641
SOOTMARE: Patentin version 3.1
SOOTMARE: Patentin version 3.1
LENGTH: 18
LENGTH: 18
TYPE: DNA
                                                                 Query Match
Best Local S
Matches 11
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODILATION OF G PROTEIN-COUPLED
FILE REFERENCE: RTS-0338
CURRENT APPLICATION NUMBER: US/10/315,474
CURRENT FILING DATE: 2002-12-10
NUMBER OF SEQ ID NOS: 156
SEQ ID NO 66
ENGTH: 20
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Best Local S
Matches 11
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NUMBER OF SEQ ID NOS: 17608
SOFTWARE: PatentIn version 3.1
SEQ ID NO 7627
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Best Local
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                                                                                                                                                                             TYPE: DNA ORGANISM: Artificial Sequence
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11; Conservative
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1 Similarity 100.0%; Pred. No. 3.1e+
11; Conservative 0; Mismatches
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                                                                                   Similarity
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                                                                 Score 11; DB 9;
; Pred. No. 3.2e+
0; Mismatches
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Pred. No.
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US-10-315-474-137
, Sequence 137, Application (
; GENERAL INFORMATION:
, APPLICANT: Brett P. Monia
, APPLICANT: Kenneth W. Dol
          APPLICANT: Mittmann et al.
APPLICANT: Mittmann et al.
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of
FILE REFERENCE: 3102.1
CURRENT APPLICATION NUMBER: US/09/660,222
CURRENT FILING DATE: 2000-09-12
PRIOR APPLICATION NUMBER: 60/164,973
PRIOR FILING DATE: 1999-11-11
NUMBER OF SEQ ID NOS: 140981
SOFTWARE: FastSEQ for Windows Version 4.0
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 124398
LENGTH: 25
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GENERAL INFORMATION:
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Best Local 9
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LENGTH: 20
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ORGANISM: Homo Sapiens
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank X76717
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/09/660,222
CURRENT FILING DATE: 2000-09-12
PRIOR APPLICATION NUMBER: 60/164,973
PRIOR FILING DATE: 1999-11-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of Human
FILE REFERENCE: 3102.1
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CURRENT FILING DATE: 2002-12-10
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TITLE OF INVENTION: MODULATION OF G PROTEIN-COUPLED RECEPTOR 3 EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Mittmann et al
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ORGANISM: H. sapiens
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NO 124402
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100.0%; Pred. No. 3.2e+04;
live 0; Mismatches 0;
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Pred. No. 3.2e+04;
0; Mismatches 0;
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; TYPE: DNA
; ORGANISM: Homo Sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank X76717
US-09-660-222-124417
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PRIOR FILING DATE: 1999-11-11
NUMBER OF SEQ ID NOS: 140981
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 124403
LENGTH: 25
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Best Local S
Matches 11
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APPLICANT: Mittmann et al.
APPLICANT: Affynetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of Human
                                                                                                                                                             SEQ ID NO 124417
LENGTH: 25
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                  Query Match
Best Local Similarity
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CURRENT FILING DATE: 2000-09-12
PRIOR APPLICATION NUMBER: 60/164,973
PRIOR FILING DATE: 1999-11-11
NUMBER OF SEQ ID NOS: 140981
SOFTWARE: FASCISEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                       APPLICANT: Mittmann et al.
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
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PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank X76717
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PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank X76717
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CURRENT APPLICATION NUMBER: US/09/660,222
CURRENT FILING DATE: 2000-09-12
                                                                                                                                                                                                                                                                                                             FILE REFERENCE: 3102.
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Similarity 100.0%;
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100.0%;
91.7%; Score 11; DB 6;
100.0%; Pred. No. 3.2e+0
tive 0; Mismatches
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Pred. No. 3.2e+
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                3.2e+04;
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                                 Length 25;
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CGTTCCTCTTC 11

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Sequence 2242, Application US/09953570

Sequence 2242, Application US/09953570

GENERAL INFORMATION:

APPLICANT: Mittmann, Michael

TITLE OF INVENTION: Methods of Genetic Analysis of Yeast

FILE REFERENCE: 3110.1

CURRENT APPLICATION NUMBER: US/09/953,570

CURRENT FILING DATE: 2001-09-13

PRIOR APPLICATION NUMBER: 60/232,638

PRIOR APPLICATION NUMBER: 60/232,638

PRIOR FILING DATE: 2000-09-14

NUMBER OF SEQ ID NOS: 138410

SOFTMARE: FBSISEQ for Windows Version 4.0

SEQ ID NO 22842

TYPE: DNA

ORGANISM: Saccharomyces Cerevisiae

US-09-953-570-22842
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Sequence 131778, Application US/09953570

GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
ITILE OF INVENTION: Methods of Genetic Analysis of Yeast
FILE REFERENCE: 3110.1

CURRENT APPLICATION NUMBER: US/09/953,570

CURRENT FILING DATE: 2001-09-13

PRIOR APPLICATION NUMBER: 60/232,638

PRIOR APPLICATION NUMBER: 60/232,638

PRIOR FILING DATE: 2000-09-14

NUMBER OF SEQ ID NOS: 138410

SOFTWARE: PASELSEQ for Windows Version 4.0

SEQ ID NO 131778

LENGTH: 25

LEN
RESULT 15
US-09-954-445A-7403/c
US-09-954-445A, Application US/09954445A
; Sequence 7403, Application US/09954445A
; GENERAL INFORMATION:
; APPLICANT: Wittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Arabidopsis Thaliana
; FILE REFERENCE: 3116.1
; CURRENT APPLICATION NUMBER: US/09/954,445A
; CURRENT FILING DATE: 2000-09-17
; PRIOR APPLICATION NUMBER: 60/233,620
; PRIOR FILING DATE: 2000-99-18
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US-09-953-570-22842/c
US-09-953-570-22842, Application US/09953570
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Best Local Similarity 100.0%; Pred. No. 3.2e+04
Matches 11; Conservative 0; Mismatches 0
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Best Local Similarity
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US-09-851-996-86
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US-09-852-971-15
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| PCT-US95-02943-18 | US-09-258-377-30 | US-08-589-939-40 | US-08-206-790A-18 | US-08-442-806-8 | US-08-068-945A-8 | US-09-442-143A-41 | US-09-442-143A-38 | US-09-251-645-21 | US-09-277-457-28 | US-08-294-424-33 | US-08-619-542B-6 | US-08-465-811A-6 | US-08-126-594-6 | US-08-619-542B-48 | US-08-619-542B-5 | US-08-465-811A-5 | US-08-126-594-5 |
| 18, | Sequence 30, Appl | • | Sequence 18, Appl | Sequence 8, Appli | Sequence 8, Appli | | Sequence 38, Appl | Sequence 21, Appl | 28, | Sequence 33, Appl | Sequence 6, Appli | | Sequence 6, Appli | Sequence 48, Appl | Sequence 5, Appli | Sequence 5, Appli | Sequence 5, Appli |

ALIGNMENTS

CLASSIFICATION: 435 ATTORNEY/AGENT INFORMATION: NAME: Storella, John R. REGISTRATION UNMEER: 32,944 REFERENCE/DOCKET NUMBER: 0153/ TELECOMMUNICATION INFORMATION: TELEPHONE: 415-576-0200 TELEPAX: 415-576-0300 INFORMATION FOR SEQ ID NO: 2: SEQUENCE CHARACTERISTICS: LENGTH: 30 base pairs TYPE: nucleic acid STRANDEDNESS: single RESULT 1 US-08-770-565-2 US-08-770-565-2 Sequence 2, Application Patent No. 5846723 GENERAL INFORMATION: APPLICANT: Kim, N COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentln Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/770,565 FILING DATE: 20-DEC-1996 CLASSIFICATION: 435 CLASSIFICATION: 435 MOLECULE TYPE: DNA COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk TITLE OF INVENTION: TITLE OF INVENTION: NUMBER OF SEQUENCES: APPLICANT: Kim, Nam Woo APPLICANT: Wu, Fred APPLICANT: Kealey, James T. APPLICANT: Pruzan, Ronald CORRESPONDENCE ADDRESS: COUNTRY: USA ZIP: 94111-3834 ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco California Weinrich, Telomerase 26 , Scott L. Methods for Detecting the RNA Component of US/08770565 015389-002300US

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h 100.0%; Similarity 100.0%; 30; Conservative 0

0;

Score 30; DB 2; 1 Pred. No. 1.4e-07; ; Mismatches 0;

Length 30;

0

Gaps

0

1 CGTTCCTCTTCCTGCGGCCTGAAACGGTGA 30

Application US/08770565

Kim, Nam woo
Wu, Fred
Kealey, James T.
Pruzan, Ronald
Weinrich, Scott I

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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
FILING DATE: 20-DEC-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: Methods for Detecting the RNA Component of TITLE OF INVENTION: Telomerase
                      Principle Methods for Detecting the RNA Component of INVENTION: Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 20;
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Vei
CURRENT APPLICATION NATA:
APPLICATION NUMBER: US/08/833,377
FILING DATE: 04-APR-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UNMBER: US 08/510,736
FRICING DATE: 04-AUG-1995
APTORNMY/ACHORY TRECOMMENT:
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Matches 20; Conserv
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COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, 1

CURRENT APPLICATION DATA:
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TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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CITY: San Francisco
California
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STATE: California
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TYPE: nucleic acid
STRANDEDNESS: single
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REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002300US
LECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
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Two Embarcadero Center, Eighth Floor
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Vasserot, Alain P.
Pruzan
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100.0%; Pred. No. 0.028;
cive 0; Mismatches
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Best Local Similarity 100 Matches 20; Conservative

66.7%; Score 20; DB 100.0%; Pred. No. 0.0 tive 0; Mismatches

DB 2; 0.028;

CGTTCCTCTTCCTGCGGCCT 20

CGTTCCTCCTTCCTGCGGCCT 20

TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs

ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION UNMER: 32,944
REFERENCE/DOCKET NUMBER: 01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200

015389-002300US

SSIFICATION:

E: California

Francisco

E: TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor

STRANDEDNESS:
TOPOLOGY: lir
MOLECULE TYPE:

single

08-770-565-12

2, Application US/08770565 5846723

Kealey, James T. Pruzan, Ronald

Nam Woo

COWNSEND and TOWNSEND and CREW LLP

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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
                                                                                   FILING DATE: 04-AUG-1995
ATTORNEY AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE DOCKET NUMBER: 0153
TELECHMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0300
                                                                    TELEFAX: (415) 576-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         tent No.
                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                          CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: US 08/510,736
APPLICATION NUMBER: US 08/510,736
                                                                                                                                                                                                                                                                             SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION UMBER: US/08/833,377 FILING DATE: 04-APR-1997
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ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
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TELECOMMUNICATION INFORMATION:
                                                    SEQUENCE CHARACTERISTICS:
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TITLE OF INVENTION: Purifi
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES:
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LOCATION: 1..20
OTHER INFORMATION: /note= "Oligo 14ab"
TYPE: nucleic acid
STRANDEDNESS: sing
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: San Francisco
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TOPOLOGY: 11
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TYPE: nucleic acid
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                                     ENGTH:
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TD NO: 7:
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                                    20 base pairs
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Atkinson III, Edward M.
Lichtsteiner, Serge P.
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 single
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; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nu
; DESCRIPTION: /desc =
US-09-121-321-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 6
US-09-121-321-14/c
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                  Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                    FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/
APPLICATION NUMBER: 19-SEP-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                             TELEFAX: 212-596-9090
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 29 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/121,321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Sakaguchi, Gaku
TITLE OF INVENTION: DNA MOLECULE RELATING TO SUPPRESSION OF
TITLE OF INVENTION: GENE EXPRESSION AND NOVEL PROTEIN
NUMBER OF SEQUENCES: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FEATURE:
NAME/KEY:
                                                                                                                                                                                                                                                 TELEPHONE: 212-596-9000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
                                                                                                                                                                                                                                                                                 NAME: Haley, James F.
REGISTRATION NUMBER: 27
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: New York
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LOCATION: 1..20
OTHER INFORMATION:
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                                                                                                                                                           nucleic acid
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1251 Avenue of the Americas
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Okumura, Kouichi
 Conservative
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                                                                                        other nucleic acid
/desc = "synthetic DNA"
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                  100.0%;
46.7%; Score 14; DB
100.0%; Pred. No. 43;
tive 0; Mismatches
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/note= "N = 5' biotinylated cytidine'
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                                   DB 3; Length 29;
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION UMBER: US/08/933,803A
FILING DATE: 19-SEP-1997
CLASSIFICATION: 19-SEP-1997
CLASSIFICATION: 19-SEP-1997
NAME: Haley, James F.
                                                                                                                               Patent No. 5851769
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                            Matches
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Best Local
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INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 29 base pairs
TYPE: nucleic scid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Haley, James F.
REGISTRATION INUBER: 27,794
REFERENCE/DOCKET NUMBER: SHOTELECOMMUNICATION INFORMATION:
TELEPHONE: 212-596-9000
                                             APPLICANT: GRAY, JOE W.
APPLICANT: WEIER, HEINZ-ULRICH G.
TITLE OF INVENTION: QUANTITATIVE FIBER MAPPING
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                STRANDEDNESS: single TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                              LECULE TYPE: other nucleic acid DESCRIPTION: /desc = "synthetic DNA"
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CITY: SAN FRANCISCO
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                                 DDRESSEE:
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LE OF INVENTION: D
LE OF INVENTION: G
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                                                                                                                                                                                                                                                                                                                                            Similarity
                                                                                                                                                                     Application US/08534479
             HEDLEN & CARROLL
220 MONTGOMERY STREET, SUITE 2200
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Igarashi, Hisanaga
Okumura, Kouichi
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                                                                                                                                                                                                                                                                                                                                                            46.7%;
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US-08-534-479-1
                              Matches
                              Query Match 43.3
Best Local Similarity 100
Matches 13; Conservative
                                                                                                                                                                                             TELEPAX: (415) 705-8410
TELEPAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHAPACTERIS
                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDUNES: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                           MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                             MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                          NAME: MACKNIGHT, KAMRIN T.
REGISTRATION NUMBER: 38,230
REFERENCE/DOCKET NUMBER: LB
LECOMMUNICATION INFORMATION:
                                                                                                                                TOPOLOGY:
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3 rrccrcrrccrec 15
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                                                                                                                                linear
                                                                                                            DNA (genomic)
                                43.3%; Score 13; DB
100.0%; Pred. No. 1.1
cive 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                             US/08/534,479
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                            DB 2; L-
o. 1.5e+02;
0;
                                                              Length 20;
                                  Indels
                                  0
                                  Gaps
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tent No. 576-626A-15/c Application US/08576626A

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COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: PastSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/576,626A
FILING DATE: 21-DEC-1995
CLASSIFICATION LATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
APPLICATION NUMBER: ZIP: 60064-3500 COMPUTER READABLE FORM: MEDIUM TYPE: Diskette CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: DIANNE CASULO
REGISTRATION NUMBER: P-40,943
REFERENCE/DOCKET NUMBER: 5857.US.O1 TITILE OF INVENTION: POLYKETIDE-ASSOCIATED SUGAR
TITLE OF INVENTION: BIOSYNTHESIS GENES
NUMBER OF SEQUENCES: 60 ELECOMMUNICATION INFORMATION: COUNTRY: USA COUNTRY: FORMATION: Summers, R.G. Donadio, S.

TELEPHONE:

(847) 938-3137

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RESULT 11
US-08-487-037-9/c
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Sequence 9, Application US/08487037 Patent No. 5795863
                                                                                                                                                                        Query Match
Best Local 9
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Best Local Similarity
                                                                                                                                                           Matches
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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NAME: Adler, Reid G.
REGISTRATION NUMBER: 30,988
REFERENCE/DOCKET NUMBER: 2803
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: USA
ZIP: 20006-1812
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
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APPLICATION NUMBER: US,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Wolf, David L.
TITLE OF INVENTION: RECOMBINANT AGENTS AFFECTING THROMBOSIS
NUMBER OF SEQUENCES: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 31 base pairs
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                                                                                                                                                                                                                                                    LENGTH: 42 base pairs
TYPB: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 07-JUN-
CLASSIFICATION: 514
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TYPE: nucleic acid
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                                                                                                                                                                        Similarity
                                                                                                                         TCCTCTTCCTGCG 16
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                                                                                                                                                                        43.3%; Score 13; DB 1; 100.0%; Pred. No. 1.5e+0
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                                                                                                                                                                        1.5e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-487-037-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local 9
                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                 Patent No. 5846723
                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: Kim, N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEX: 90-4030
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
NAME: Adler, Reid G.
REGISTRATION NUMBER: 30,988
REFERENCE/DOCKET NUMBER: 2803
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
 ZIP: 94111-3834

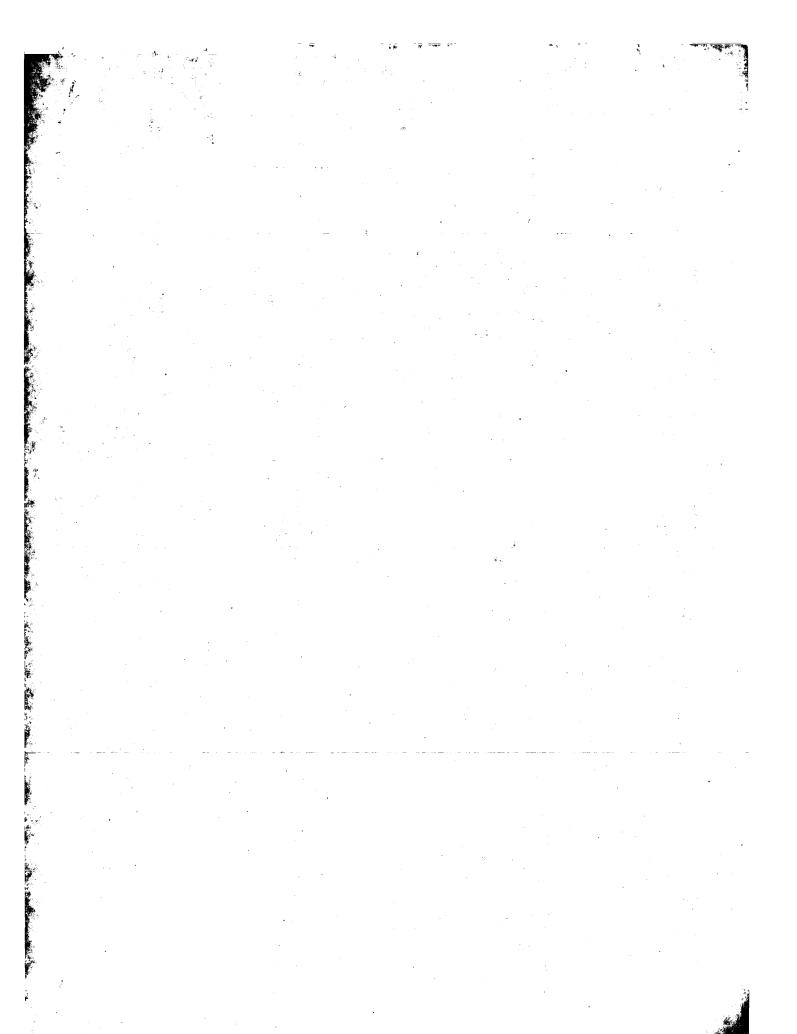
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
LENGTH: 45 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/0:
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                    TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                          APPLICANT:
                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Wolf, David L.
TITLE OF INVENTION: RECOMBINANT AGENTS AFFECTING THROMBOSIS
NUMBER OF SEQUENCES: 11
                                                                                                                                                                                                                                                                                                              APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                     STATE:
                                                                                                                                                                                   CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: (202) 887-150
TELEFAX: (202) 887-0763
                                                                                                                                                     COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: MORRISON & FOERSTER
                                                                                                                                                                                                                                                                                                                                                                                                                                 4, Application US/08770565
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                                                                                                                                                                     California
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                                                                                                                                                     USA
                                                                                                                                                                                                                                                                                                       Kealey, James T.
Pruzan, Ronald
Weinrich, Scott
                                                                                                                                                                                                                                                                                                                                                              Kim, Nam
Wu, Fred
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   USA
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100.0%; Pred. No.
tive 0; Mismatcl
                                                                                                                                                                                                                                                                                     , Scott L. Methods for Detecting the RNA Component of
                                                                                                                                                                                                                                                                        Telomerase
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TLING DATE: 12 FLOREY DISK

OPERATING SYSTEM: PC COMPANIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORD PERFECT # 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: 110''
CLASSIFIC:
ATTOC.
                                                                                                                                                                                           TELEFAX: 212-751-6849
TELEX: 421792
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 12 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                        NAME: WILLIAM S. FEILER
REGISTRATION NUMBER: 26,728
REFERENCE/DOCKET NUMBER: 20
LECOMMUNICATION INFORMATION:
TELEPHONE: 212-758-4800
                                                                                                            : NUCLEIC ACID
NDEDNESS: SINGLE
LOGY: UNKNOWN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MMUNICATION INFORMATION:
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: NEW YORK
: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRATION NUMBER:
                                                            STICAL:
                                                               RIPTION: OLIGONUCLEOTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          E CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Application US/08031143B
                               SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       orella, John R.
ION NUMBER: 32,944
/DOCKET NUMBER: 01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      USA
                                                YES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MORGAN & FINNEGAN
5 PARK AVE.
                                                                                                                                                                                                                                                                                                                         INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 METHODS FOR DIAGNOSIS AND TREATMENT OF XSCID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            40.0%; Score 12; DB 2;
100.0%; Pred. No. 5e+02;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WARREN J.; NOGUCHI, MASAYUKI; O. WESLEY
IL-2R
                                                                                                                                                                                                                                                                                                                                                                        US/08/031,143B
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INDIVIDUAL ISOLATE:
US-08-031-143B-33
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RESULT 15
US-09-851-96-86
; Sequence 86, Application US/09851896
; Patent No. 6410325
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                                                                                                                                              Query Match
Best Local S
Matches 12
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Matches 12; Conserv
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                                                                                                                                                                                                                                    HYPOTHETICAL: NO ANTI-SENSE: NO ORIGINAL SOURCE: ORGANISM: HUMA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-SOTTWARE: WORD PERFECT # 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
                                                                                                                                                                                                                                                                                                                                 TELEFAX: 212-751-0.
TELEFAX: 421792
TELEX: 421792
TELEX: 421792
TELEX: 421792
TELEX: 421792
EQUENCE CHARACTERISTICS:
LENGTH: 20
TYPE: NUCLEIC ACID
TYPE: NUCLEIC ACID
TYPE: NUCLEIC ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US/0 FILING DATE: 12-MAR-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE:
                                                                                                                                                                                                                                                                             DESCRIPTION: OLIGONUCLEOTIDE
                                                                                                                                                                                                                                                                                                                TRANDEDNESS: SINGOPOLOGY: UNKNOWN
                                                                                                                                                                                                                                                                                                                                                                                                                                               ECOMMUNICATION INFORMATION ELEPHONE: 212-758-4800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EGISTRATION NUMBER:
                                                                                                                                           ch 40.0%; Score 12; DB 1; 1 Similarity 100.0%; Pred. No. 5e+02; 12; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             T: 345 PARK
NEW YORK
NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ICATION: 435
AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       VILLIAM S. FEILER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Application US/08031143B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LEONARD, WARREN J.; NOGUCHI, MASAYUKI; MCBRIDE, O. WESLEY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  METHODS FOR DIAGNOSIS AND TREATMENT OF XSCID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         40.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2026-4061
                                                                                                                                                  0; Indels
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GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Suban M. Freier
APPLICANT: Suban M. Freier
APPLICANT: Suban M. Freier
APPLICANT: Suban M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPASE A2, GROUP VI (CA2+-INDEPEND TITLE OF INVENTION: EXPRESSION
FILE REFERENCE: RTS-0220
CURRENT APPLICATION NUMBER: US/09/851,896
CURRENT APPLICATION UNDERER: US/09/851,896
CURRENT FILING DATE: 2001-05-08
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 86
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-09-851-896-86
                                                                                                                     밁
Search completed: June 23, 2003, 10:17:02 Job time: 50.9721 secs
                                                                                                                                                                                                                     Query Match 40.0%; Score 12; DB 4; Length 20; Best Local Similarity 100:0%; Pred: No. 5e+02; Matches 12; Conservative 0; Mismatches 0; Indels
                                                                                                                                                        10 TCCTGCGGCCTG 21
                                                                                                               8 TCCTGCGGCCTG 19
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Minimum DB seq length: 0
Maximum DB seq length: 50
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Perfect score:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Post-processing: Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OLIGO_NUC
Gapop 60.0 , Gapext 60.0
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1 CGTTCCTCTTCCTGCGGCCTGAAACGGTGA 30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             N_Geneseq_101002:*
1: /SIDS2/gcgdata/geneseq/geneseqn-emb1/NA1980.
| SIDS2/gcgdata/geneseq/geneseqn-embl/NA1980.DAT:*
| SIDS2/gcgdata/geneseq/geneseqn-embl/NA1981.DAT:*
| SIDS2/gcgdata/geneseq/geneseqn-embl/NA1982.DAT:*
| SIDS2/gcgdata/geneseq/geneseqn-embl/NA1982.DAT:*
| SIDS2/gcgdata/geneseq/geneseqn-embl/NA1983.DAT:*
| SIDS2/gcgdata/geneseq/geneseqn-embl/NA1984.DAT:*
| SIDS2/gcgdata/geneseq/geneseqn-embl/NA1984.DAT:*
| SIDS2/gcgdata/geneseq/geneseqn-embl/NA1985.DAT:*
| SIDS2/gcgdata/geneseq/geneseqn-embl/NA1986.DAT:*
| SIDS2/gcgdata/geneseq/geneseqn-embl/NA1989.DAT:*
| SIDS2/gcgdata/geneseq/geneseqn-embl/NA1990.DAT:*
| SIDS2/gcgdata/geneseq/geneseqn-embl/NA2000.DAT:*
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| SIDS2/gcgdata/geneseq/geneseqn-embl/NA2000.DAT:*
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Copyright (c) 1993 - 2003 Compugen Ltd.
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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| Result No. 1 2 3 | Score 30 20 20 20 | Match 1 100.0 66.7 66.7 | Query Query Match Length DB 100.0 30 11 66.7 20 11 66.7 20 21 66.7 20 20 | 20 20 20 20 20 20 | ANV41169 ANV71226 AAV41170 AAZ3632 AAZ3632 | Description RNA component of h Antisense oligonuc RNA component of h Human clone 28-1 t Human clone 28-1 t |
|------------------------------|-------------------------------|----------------------------------|--|----------------------------------|--|---|
| No. | Score | Match 1 | Length 1 | æ | ID | Description |
| _ | | 100.0 | 30 | 19 | AAV41169 | RNA compo |
| 2 | 20 | 66.7 | 20 | 19 | AAV71226 | Antisense |
| w | 20 | 66.7 | 20 | 19 | AAV41170 | RNA compo |
| 4 | 20 | 66.7 | 20 | 20 | AAZ23632 | Human clc |
| ហ | 20 | 66.7 | 20 | 20 | AAZ23636 | Human clo |
| σ, | 20 | 66.7 | 20 | 22 | AAS09477 | Antisense oligonu |
| 7 | 20 | 66.7 | 20 | 22 | AAS09480 | Antisense oligonu |
| ი დ | 14 | 46.7 | 29 | 17 | AAT42916 | Primer 8201RN, amı |
| 9 | 13 | 43.3 | 21 | 17 | AAT36484 | Upstream PCR prime |
| | | | | | | |

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|--------------------|-------------|----|------|----|----|-----|
| Primer (V1LO) for | | | 40.0 | 12 | 45 | O |
| Mutagenic oligonuc | 17 AAT35002 | | 40.0 | 12 | 44 | |
| Human tetrapeptide | 24 ABA04330 | 41 | 40.0 | 12 | 43 | |
| Human tetrapeptide | | | 40.0 | 12 | 42 | |
| Stenotic carotid a | 17 AAT70789 | | | 12 | 41 | Ω |
| | 17 AAT70788 | | | 12 | 40 | U |
| | 17 AAT70784 | | 40.0 | 12 | 39 | a |
| Fibronectin 3 codi | | | 0 | 12 | 38 | a |
| Synthetic Fn3 gene | | | 40.0 | 12 | 37 | a |
| Mouse anti-PthA MA | | | 0 | 12 | 36 | a |
| EryCIII PCR primer | 24 ABA01509 | 37 | | 12 | 35 | |
| Human tissue plasm | | | 40.0 | 12 | 34 | |
| Tissue plasminoge | 21 AAA39099 | | 0 | 12 | 33 | |
| Oligodeoxyribonucl | | | 0 | 12 | 32 | |
| Primer (PhoAUP2) c | | | 0 | 12 | 31 | |
| Modified tissue pl | | | 40.0 | 12 | 30 | |
| Primer "a332" to a | | | 0 | 12 | 29 | O |
| Human genomic DNA | | | 40.0 | 12 | 28 | a |
| Human t-PA primer | | | 0 | 12 | 27 | |
| Human glutathione | AAF8770 | | 0 | 12 | 26 | a |
| Soybean 318013 reg | | | 0 | 12 | 25 | O |
| Oligonucleotide ad | | | 0 | 12 | 24 | |
| Oligonucleotide ad | | | 0 | 12 | 23 | O |
| Oligonucleotide ad | | | 40.0 | 12 | 22 | 13 |
| Enzymatic RNA mole | | | 0 | 12 | 21 | |
| RBBP2 polymorphism | | | 0 | 12 | 20 | |
| PCR primer used to | | | 0 | 12 | 19 | Ω |
| Homo sapiens P-TEN | | | 0 | 12 | 18 | (3 |
| Human IL-2R gamma | | | 0 | 12 | 17 | C I |
| Human IL-2R gamma | 15 AAQ71941 | | 40.0 | 12 | 16 | |
| RNA component of h | | | 40.0 | 12 | 15 | |
| | | | | 13 | 14 | a |
| SNP | | | 43.3 | 13 | 13 | 13 |
| Sugar biosynthesis | | | | 13 | 12 | () |
| Human p53 PCR prim | | | 43.3 | 13 | 11 | |
| Upstream PCR prime | 21 AAA72585 | | 43.3 | 13 | 10 | |
| | | | | | | |

ALIGNMENTS

| א א א | ΙX | PA XX | PR | PR | × | ΡF | X | Dd | × | PN | × | SO | 20 | × | KW | KW | KW | KW | × | DE | × | DT | × | ΑÇ | × | Ħ | AA | RE |
|--|----|---------------------|----------------------------|----------------------------|---|----------------------------|---|--------------|---|---------------|---|---------------|------------|---|---|--|---|--|---|---|---|---------------------------|---|-----------|---|--------------------------------|----------|----------|
| Kealey JT, Kim NW, Fruzan K, Weinrich SL, Wu F; WPI; 1998-377670/32. | | (GERO-) GERON CORP. | 20-DEC-1996; 96US-0770564. | 20-DEC-1996; 96US-0770565. | | 19-DEC-1997; 97WO-US23619. | | 02-JUL-1998. | | WO9828442-A1. | | Homo sapiens. | Synthetic. | | immune system down-regulation; anti-inflammatory therapy; ss. | contraception; sterilisation; immunosuppression; therapeutic; hTR; | neuroblastoma; bladder cancer; colon cancer; prostate cancer; cancer; | RNA component; human telomerase; antisense oligonucleotide; infection; | | RNA component of human telomerase (hTR) antisense oligo 14. | | 08-OCT-1998 (first entry) | | AAV41169; | | AAV41169 standard; DNA; 30 BP. | AAV41169 | RESULT 1 |

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RESULT.

AND TABLE TO THE TABLE TABLE TO THE TABLE TO THE TABLE TO THE TABLE TO THE TABLE TO THE
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Best Local S
Matches 30
                                                                                                                                                                                                                                                                                                                                                                                                                   Key
modified_base
   Atkinson EM,
Vasserot AP,
                                                                                                                                                04-APR-1997;
                                                                                                                                                                                                           04-APR-1997;
                                                                                                                                                                                                                                                                     15-OCT-1998.
                                                                                                                                                                                                                                                                                                                         WO9845450-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; telomerase RNA component; anticancer therapy; purification; assay; vaccine; cancer; antisense oligonucleotide; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Antisense oligonucleotide 14ab for human telomerase RNA component.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 30 BP; 4 A; 10 C; 8 G; 8 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 11; Page 65; 80pp; English.
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                                                                                             (GERO-)
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                                                                                             GERON
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Kealey JT,
Weinrich SL,
                                                                                             CORP.
                                                                                                                                                97WO-US06012
                                                                                                                                                                                                           97WO-US06012
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                    /*tag= a
/note= "biotinylated"
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100.0%; pred. No. ...
1100.0%; pred. No. ...
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                               Lichtsteiner
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Pred. No. 4.1e-06;
                               SP,
                               Pruzan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 30;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0
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The present sequence represents an antisense oligonucleotide directed against the human telomerase RNA component gene sequences. The oligonucleotide can be used as an affinity agent in the methods of the invention, which are used to purify human telomerase. The methods involve the use of several sequential steps, including the use of two matrixes that bind molecules bearing negative charges, an matrix that binds molecules bearing regative charges, an affinity purification step and a size separation. Telomerase is a particular target of anticancer therapies, and is useful in assays for characterizing (pre) cancerous cells. Telomerase can also be used to screen for specific modulators, for biochemical analysis of its activity, and in preparation of antibodies. Fragments of telomerase, or nucleic acid encoding them, are used in vaccines, and for treating over expression of telomerase, particularly in cancer.
Sequence 20 BP; 0 A; 9 C; 4 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 6; Page 61; 76pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Purification of telomerase on affinity material - diagnosis and treatment of cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 1998-594485/50.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               useful for,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            e.g.
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밁 Ś Query Match Best Local S Matches 20 20; Similarity CGTTCCTCTTCCTGCGGCCT 20 Conservative 100.0%; 0, Score 20; DB 19; Pred. No. 0.49; 20 Mismatches 0, Length 20 Indels 0 Gaps

0

RESULT 3
ANAVALITO 1
ID ANV4
XX
AC AAV4
AC AAV4
CD RNA
XX
RW RNA
KW RNA
KW Condit
KW Condit
KW CONDIT
COS HOME
XX
PN WO91
XX
PN WO91
XX
PD 02-XX
PD 02--RNA component of human telomerase (hTR) AAV41170; AAV41170 standard; DNA; 20 (first entry) ВÞ

antisense oligo 14ab

immune system RNA component; neuroblastoma; , human telomerase; antisense oligonuclectide; infection; bladder cancer; colon cancer; prostate cancer; cancer; sterilisation; immunosuppression; therapeutic; hTR; down-regulation; anti-inflammatory therapy; ss.

Homo sapiens

WO9828442-A1

19-DEC-1997; 02-JUL-1998. 97WO-US23619.

20-DEC-1996; 20-DEC-1996; 96US-0770565. 96US-0770564.

(GERO-) GERON CORP.

Kealey JT, Kim NW, Pruzan æ Weinrich æ

1998-377670/32.

New polynucleotide(s) anti:sense to human telomerase - used detecting or inhibiting human telomerase, e.g. for treating contraception, immuno-suppression or treating infection for cancers,

Claim 11; Page 65; 80pp; English.

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RESULT 4
AAZ23632
ID AAZ2
XX
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequences shown in AAV41169 to AAV41181 represent antisense oligonucleotides to the RNA component of human telomerase (hTR). The antisense oligonucleotides specifically hybridise to a nucleotide sequence within an accessible region of the hTR, but that does not hybridise to a sequence within the template region of hTR. These
                                                Compositions comprising human telomerase, useful associated with overexpression of telomerase e.g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human clone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                07-JAN-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAZ23632;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     preventing cancer, for contraception or sterilisation, for immunosuppression, and for selectively down-regulating specific branches of the immune system, e.g. a specific subset of T-cells, in anti-inflammatory therapies or for treating infections by, e.g. yeast,
                                                                                                                                                                                                                                                                                               04-AUG-1995;
                                                                                                                                                                                                                                                                                                                                                04-APR-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                              US5968506-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   disease; primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Telomerase; human; immune response; cancer; vaccine; treatment;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAZ23632 standard;
                                                                                                                          WPI; 1999-590379/50
                                                                                                                                                                                                                                                                                                                                                                                                19-OCT-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens.
                                                                                                                                                                                                                                                    (GERO-) GERON
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Column 45-46; 34pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           28-1 telomerase oligonucleotide 14ab
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                    CORP
                                                                                                                                                                                               Lichtsteiner
                                                                                                                                                                                                                                                                                               95US-0510736
                                                                                                                                                                                                                                                                                                                                                97US-0833377
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      88.
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Pred. No.
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English.
                                                                                                                                                                                            Weinrich SL,
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                                                                    for treating
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                                                                                                                                                                                            Kealey JT;
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                                                                       diseases
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밁 S

This invention describes a novel composition comprising human telomerase having at least 2000-fold (preferably at least 60000-fold) increased relative purity compared with crude extract of cells from adenovirus-transformed kidney cell line. The composition is useful for

Query Match
Best Local Similarity
Matches 20; Conserv

Conservative

66.7%; Sc. 100.0%; Pr

Score 20; DB; ; Pred. No. 0.4! 0; Mismatches

DB 20;

Length 20

Indels

<u>,</u>

Gaps

0

Sequence 20 BP;

0 A; 9 C; 4 G; 7 T; 0 other;

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RESULT 5
AAZ23636
ID AAZ2
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Matches 20
                                                                                This invention describes a novel composition comprising human telomerase having at least 2000-fold (preferably at least 60000-fold) increased relative purity compared with crude extract of cells from adenovirus-transformed kidney cell line. The composition is useful for
                                                                                                                                                                                                           Compositions comprising human telomerase, associated with overexpression of telomer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         vaccine for treating diseases associated with the overexpression of telomerase e.g. cancer. AAZ23626-Z23637 represent oligonucleotides used in the isolation of human clone 28-1 which contains a fragment of the human telomerase described in the method of the invention.
                vaccine for treating diseases associated with the overexpression of telomerase e.g. cancer. AAZ23626-Z23637 represent oligonucleotides usin the isolation of human clone 28-1 which contains a fragment of the
                                                                  eliciting an immune response in animals and may therefore be used as a
                                                                                                                                                                        Disclosure; Column 49-50; 34pp; English
                                                                                                                                                                                                                                                                 WPI; 1999-590379/50
                                                                                                                                                                                                                                                                                                                    Atkinson
                                                                                                                                                                                                                                                                                                                                                                                          04-AUG-1995;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             disease;
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                                                                                                                                                                                                                                                                                                   Vasserot
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens.
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 telomerase
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                                                                                                                                                                                                                                                                                                                                                         GERON
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                                                                                                                                                                                                                                                                                                                      Lichtsteiner SP,
                                                                                                                                                                                                                                                                                                                                                         CORP.
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/note= "5'-biotinylated
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described in the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      *tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A; 9 C; 4 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            immune response; cancer; vaccine; treatment;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     66.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0,
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20
                                                                                                                                                                                                             of telomerase e.g. cancer
                                                                                                                                                                                                                                                                                                                  Weinrich
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 20;
0.49;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cytidine"
                                                                                                                                                                                                                                                                                                                  L,
                                                                                                                                                                                                                            useful for treating
                                                                                                                                                                                                                                                                                                                    Pruzan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0
 invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 20;
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                                                                                                                                                                                                                                                                                                                    RΑ,
                                                                                                                                                                                                                                                                                                                    Kealey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              used
                                                                                                                                                                                                                                diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                    ij,
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RESULT ANASON ACC ANAS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ક
                                                                                                                                                                                                                                                                                                                The sequence represents an antisense oligonuclectide used in the purification of human telomerase. The invention relates to a purified human telomerase ore enzyme protein comporising 2000-fold increased purity compared with a crude extract of cells from adenovirus-transformed kidney cell line (293 cells) and when associated with relomerase RNA component has DNA polymerase activity and a molecular weight of 200-2000 kilo Daltons (kDa). The purified telomerase is useful for inducing a humoral or cell-mediated immune response in an animal. CC purified telomerase or immunogenic fragments are useful as vaccines for treating diseases associated with over-expression of telomerase, which are cancer and for producing antibodies that recognize telomerase, which are useful as affinity agents in isolating the proteins and for detecting the cuseful as affinity agents in isolating the proteins and for tissue. Identification of telomerase and/or telomerase associated proteins are also useful for screening compounds to identify agents that alter the association of telomerase-associated proteins, such as nucleolin or EF2H with
                                                                                                                        Query Match
Best Local S
Matches 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Purified human telomerase, useful for inducing immune response in animals, comprises several thousand folds increased purity compared with cytoplasmic crude cell preparations
                                                                                                                                                                                                                                      Sequence 20 BP; 0 A; 9 C; 4 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; Column 2; 29pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2001-450477/48.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Weinrich SL,
Kealey JT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             04-APR-1997;
04-AUG-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18-OCT-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US6261556-B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; Telomerase; vaccine; antibody; cancer; EF2H; nucleolin; antisense oligonucleotide; Oligo 14ab; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Antisense oligonucleotide for human telomerase, Oligo 14ab #1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 24-OCT-2001
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                                                                                                                                                                                                                                                                                                      telomerase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GERO-) GERON
                                                                                                                 l Similarity
20; Conser
                                                        cerrecrerecegeer 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CGTTCCTCTTCCTGCGGCCT 20
cerrecrecreceses 20
                                                                                                                        Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             97US-0833377.
95US-0510736.
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                                                                                                          100.0%;
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                                                                                                                    Score 20; DB; Pred. No. 0.4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20
                                                                                                                                                 DB 22;
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                                                                                                                                                                      Length 20;
                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pruzan RA;
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                                                                                                                 Gaps
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                                                                        Query Match
Best Local S
Matches 20
                                                                                                                                                                                     Sequence 20 BP; 0 A; 9 C; 4 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; Column 18; 29pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Purified human telomerase, useful for inducing immune response in animals, comprises several thousand folds increased purity compared with cytoplasmic crude cell preparations -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-450477/48.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Weinrich SL,
Kealey JT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       04-APR-1997;
04-AUG-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18-OCT-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17-JUL-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US6261556-B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Key
modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; Telomerase; vaccine; antibody; cancer; EF2H; nucleolin; antisense oligonucleotide; Oligo 14ab; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Antisense oligonucleotide for human telomerase, Oligo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                24-OCT-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GERO-) GERON
                                                                        l Similarity
20; Conserv
CGTTCCTCTTCCTGCGGCCT 20
                                                                        66.7%; So ilarity 100.0%; I Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Atkinson EM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORP.
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95US-0510736.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /*tag= a
/mod_base= C
/note= "C is biotinylated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ΒP
                                                                        Score 20; DB; Pred. No. 0.4
                                                                                                      DB 22;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Vasserot AP,
                                                                            0,
                                                                                                                                Length 20;
                                                                            Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pruzan RA;
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                                                                            Gaps
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RESULT 9
AATJ364B
ID AATJ3
XX AATJ3
AC AATJ3
XX OP-C
DT 09-C
DT Upst
XX Upst
XX Prim
KW P53
KW p53
KW Hhal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 8
AAT42916/c
AAT42916 standard;
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                                                                                                                                                                                                                                               Query Match
Best Local S
Matches 14
                                                                                                                                                                                                                                                                                                                      infection pref. human T-cell leukaemia and HIV. The plasmid also encode a protein which is used as an antivirus agent, and also in a method for detecting cancer. The DNA molecule and protein have potential uses in gene therapy, and the plasmid may also have potential use in the treatment of TSP.
                                                                                                                                                                                                                                                                                                                                                                                   The sequences given in AAT42904-16 are primers which were used in the construction of the plasmid of the invention. The plasmid contains a DNA sequence encoding the protein TSP-1 in conjunction with a DNA molecule with gene expression regulation activity. The plasmid is used for regulation of gene expression, and treatment of viral
          Primer; PCR; polymerase chain reaction; amplification; human p53 gene; tumour; cancer; Cx3; mutation; Val 143 Ala; assay; Hhal cleavage site; detection; gel electrophoresis; diagnosi
                                                                                                                                                                                                                                                                                               Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   gene therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DNA molecule with gene expression regulation e.g. treatment of human T-cell leukaemia and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 1996-455367/45.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              27-APR-1995;
24-MAR-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Primer 8201RN,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAT42916;
                                                            Upstream
                                                                                     09-OCT-1996
                                                                                                                                    AAT36484 standard; DNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           03-OCT-1996
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 radioactive probe hybridisation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Igarashi H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SHIO ) SHIONOGI & CO LTD.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               expression; regulation; n T-cell leukaemia; HIV;
                                                                                                                                                                                                 19
                                                                                                                                                                                                                       σ
                                                                                                                                                                                                                                                            Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     detecting cancer
                                                                                                                                                                                                CTCTTCCTGCGGCC
                                                                                                                                                                                                                                                                                                  29
                                                                                                                                                                                                                       CTCTTCCTGCGGCC 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Page 48;
                                                                                                                                                                                                                                                                                               BP; 8
                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Okumura
                                                            primer
                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TSP; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    amplifies TSP-1 and gene regulation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             95JP-0104299
95JP-0066559
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    96WO-JP00719
                                                                                                                                                                                                                                                                                                                                                                         tion of gene expression, and treatment of viral human T-cell leukaemia and HIV. The plasmid also encodes
                                                                                                                                                                                                                                                                                                ?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DNA;
                                                          for p53 gene region contg.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           77pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             entry)
                                                                                                                                                                                                                                                           46.7%;
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                                                                                                                                                                                                                                                                                                C; 10 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              29
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                                                                                                                                    ВP
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                                                                                                                                                                                                                                               0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             plasmid; viral infection; antivirus agent; detection
                                                                                                                                                                                                                                                           Score 14;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ß
                                                                                                                                                                                                                                                  Mismatches
 nude
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Saiga
 mouse xenograft;
                                                                                                                                                                                                                                                          DB 17; 1
5.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Þ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 activity - for use in HIV, as antivirus age
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sakaguchi
                                                                                                                                                                                                                                               0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                detection;
                                                            Val 143
                                                                                                                                                                                                                                                                       Length 29;
                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    sequences.
                                 human;
                                                            Ala mutation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                cancer
                                                                                                                                                                                                                                               <u>,</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 agent
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RESULT 10
AAA72585
  PRRRACE XXX
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Best Local S
Matches 13
           22-MAR-1993;
06-DEC-1989;
17-AUG-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                           The primer pair AAT36484/85 was used for the PCR amplification of 111 bp fragment of the human p53 gene, which may contain the tumou nude mouse xenograft (Cx3) mutation, Val 143 Ala, where the wild type codon 143 GTG is substd. with GCG. This mutation also introduces a new HhaI site (GCGC at nucleotides 427-430), so that HhaI cleavage of a PCR prod. amplified from a mutant template produces 68 and 43 nucleotide subfragments, which can be detected by gel electrophoresis separation, followed by radioactive probe hybridisation. This assay can be used to diagnose the presence of
                                                                                                                                             Human; p53; chromosome 17p; neoplastic tissue detection; lung; breast; brain; colorectal; bladder; mesenchyme; prostate; stomach; cancer; tumour; leukaemia; osteosarcoma; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 21 BP; 2 A; 9 C; 2 G; 8 T; 0 other;
                                                       02-JUN-1995;
                                                                                                                                                                                           Upstream PCR primer
                                                                                                                                                                                                                  27-NOV-2000
                                                                                                                                                                                                                                                               AAA72585
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 4; Column 10; 38pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Nucleic acid assay for cancer detection -
neoplastic p53 gene with wild-type p53 gen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   29-MAR-1989;
17-AUG-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               29-MAR-1989;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
                                                                                                    US6090566-A
                                                                                                                       Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       22-MAR-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US5527676-A.
                                                                             18-JUL-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (UYJO ) UNIV JOHNS HOPKINS.
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                                                                                                                                                                                                                                                                                                                                                                  13;
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                                                                                                                                                                                                                                                                                                                                                                            Similarity
                                                                                                                                                                                                                                                                                                                                           TICCICTICCIGC 15
                                                                                                                                                                                                                                                             standard;
                                                                                                                                                                                                                                                                                                                     riccicricciec 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Fearon
                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                   Ala mutation, and therefore the
                                                                                                                                                                                                                  (first
93US-0047041.
89US-0446584.
92US-0928661.
89US-0330566.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      89US-0446584.
89US-0330566.
92US-0928661.
93US-0047041.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               89US-0330566
                                                        95US-0459676
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ER,
                                                                                                                                                                                                                                                             DNA;
                                                                                                                                                                                          for mutant
                                                                                                                                                                                                                  entry)
                                                                                                                                                                                                                                                                                                                                                                           43.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Nigro
                                                                                                                                                                                                                                                               21
                                                                                                                                                                                                                                                                                                                                                                  <u>.</u>
                                                                                                                                                                                                                                                                                                                                                                           Score 13;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MŲ,
                                                                                                                                                                                          p53 gene
                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Vogelstein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   gene
                                                                                                                                                                                          fragment amplification
                                                                                                                                                                                                                                                                                                                                                                                        DB 17;
                                                                                                                                                                                                                                                                                                                                                                           7e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             based
                                                                                                                                                                                                                                                                                                                                                                                                                                    CXC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          æ
                                                                                                                                                                                                                                                                                                                                                                                                                                    tumour.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9
                                                                                                                                                                                                                                                                                                                                                                                      Length
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             comparing
                                                                                                                                                                                                                                                                                                                                                                                        21
                                                                                                                                                                                                                                                                                                                                                                  <u>.</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            tumour
                                                                                                                                                                                                                                                                                                                                                                 Gaps
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RESULT 11
AAAH47
AAAH47
XX
XX
XX
AC
AAH47
XX
AC
AAH47
XX
Human
XX
Human
XX
Homo
XX
JP200
XX
JP200
XX
UJP200
XX
UJP20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A method for determining whether a human tissue is neoplastic comprises CC detecting an alteration in the amino acid sequence of the p53 proteins in CC a neoplastic tissue and wild type tissue by comparing binding of a composition antibody to the two p53 proteins and detecting loss of binding CC in the mutant compared to the wild type protein. Alternatively a mutation CC may be detected by testing the ability of the p53 proteins to bind an CC antigen. Several genetic alterations occur during colorectal tumour CC formation, the most common of which are deletions of the short arm of CC p53 gene occur in a wide variety of cancers. The method of the invention CC is useful for the diagnosis of neoplastic tissues such as lung, breast, colorectal, bladder, mesenchyme, prostate or stomach tumours and CC brain, colorectal, bladder, mesenchyme, prostate or stomach tumours and CC of the present sequence represents a PCR primer used to determine CC of the human p53 gene from a tumour which has an allelic deletion of CC chromosome 17p, yet still expresses p53. The primer is used to determine two that the tumour carries a point mutation at codon 143 of the p53 gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local S
Matches 13
                               Claim 2;
                                                                                           A method for detection of variation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Determining neoplastic tissue by detecting alteration in sequence of neoplastic p53 proteins and wild type p53, comparing antibody binding to p53 proteins and wild type p53, comparing antibody binding to p53 proteins
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 JP2001128685-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; p53;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          21-SEP-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAH47842;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAH47842 standard; DNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 21 BP; 2 A; 9 C; 2 G; 8 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 4; Column 10; 19pp; English
                                                                                                                                                        WPI; 2001-373029/39.
                                                                                                                                                                                                                                                                                05-NOV-1999;
                                                                                                                                                                                                                                                                                                                                        05-NOV-1999;
                                                                                                                                                                                                                                                                                                                                                                                                    15-MAY-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human p53 PCR primer 1.
                                                                                                                                                                                                                    (IATR ) IATRON LAB INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (UYJO ) UNIV JOHNS HOPKINS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   \vdash
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity
                               Page
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TICCICITCCIGC 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Fearon ER,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PCR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           43.3%; Score 13; DB llarity 100.0%; Pred. No. 1. Conservative 0; Mismatches
                                                                                                                                                                                                                                                                            99JP-0315678.
                                                                                                                                                                                                                                                                                                                                        99JP-0315678.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  primer; immunological detection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Baker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           'n,
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                                                                                           of human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1.7e+03;
                                                                                           р53
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                                                                                           gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0,
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Query Match
Best Local Similarity
Matches 13; Conserv

Conservative 0;

43.3%; Score 13; DB 18; 100.0%; Pred. No. 1.7e+03; tive 0; Mismatches 0;

Length 31;

0

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RESULT 12
AAT72696/c
ID AAT72696;
XX AC AAT72696;
XX Polyketide; glycosylation; entry)
XX Sugar biosynthesis gene erysl
XX Polyketide; glycosylation; entrhelmintic; Saccharopolysgy
XX Woplymerase chain reaction; p)
XX Wopor23630-A2.
XX WO99723630-A2.
XX NOPEC-1996; 96WO-US20238.
XX 21-DEC-1996; 95WS-0576626.
XX ALBBO ) ABBOTT LAB.
XX 21-DEC-1995; 95US-0576626.
XX WPI; 1997-351066/32.
XX New genes involved in sugar lpr generate polyketide antimicry glycosylation
XX New genes involved in sugar lpr generate polyketide antimicry glycosylation
XX New genes involved in sugar lpr generate polyketide antimicry glycosylation
XX New genes involved in sugar lpr generate polyketide antimicry glycosylation
XX New genes involved in sugar lpr generate polyketide antimicry glycosylation
XX New genes involved in sugar lpr generate polyketide antimicry clockide antimicry generate polyketide antimicry clockide antimicry glycosylation
XX OR Segment comprising nucleotid cerythraea gene segment (AAT72696-97)
CC 2 PCR primers (AAT72696-97)
CC 2 PC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           밁
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local :
                                                                     2 PCR primers (AAT72696-97) were used to amplify a 1.0 kb DNA segment comprising nucleotides 2385-3410 of a Saccharopolyspora erythraea gene segment (AAT72684), covering the eryBlI gene that encodes an enzyme (AAM19736) involved in L-mycarose biosynthesis. The amplified DNA was utilised in the construction of plasmid pXB6, which was used to transform Streptomyces antibioticus ATCC 11891, resulting in prodn. of the novel polyketide 3-des-oleandrosyl-3-mycarosyl oleandomycin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present sequence is that of a PCR primer for detection of variation in the human p53 gene useful to the invention. The invention relates to detection of variation in the human p53 gene with an antibody which specifically react with human p53 protein by steps of: immunological detection of a sample with immunological staining; separation of stained and un-stained cells; extraction of genome DNA from stained cells; PCR amplification of a p53 DNA fragment which may contain an area of variation of human p53 gene from the genome DNA obtained in the preceding extraction step; and analysis of the reaction product.
                                                                                                                                                                                                                                                                                                                                                                                                                                          New genes involved in sugar biosynthesis and attachment - used generate polyketide antimicrobials etc. with altered pattern of glycosylation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Polyketide; glycosylation; eryBII; L-mycarose; antimicrobial; antibiotic; antifungal; fungicide; anticancer; cytostatic; antihelmintic; Saccharopolyspora erythraea; primer; PCR; polymerase chain reaction; pXB6; oleandomycin; ss.
           Sequence 31 BP; 10 A; 8 C; 11 G; 2 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                 Example 3; Page 25; 85pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sugar biosynthesis gene eryBII PCR primer
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  13;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           rrccrcrrccrec 13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     95US-0576626.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Staver MJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%;
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Summers RG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 22;
. 1.7e+03;
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RESULT 13
AAL28060/c
ID AAL280
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                                                                                                                                                                               The present invention relates to oligonucleotides encoding polymorphic variants of proteins related to amylases, amyloid proteins, angiopoietin, apoptosis related proteins, cadherin, cyclin, polymerase, oncogenes, cappotosis related proteins, cadherin, cyclin, polymerase, oncogenes, colony stimulating factors, complement related proteins, cytochromes, kinasins, cytokines, interferons, interleukins, cyclin, coupled receptors and thioesterases. The present sequence is one such oligonucleotide. The oligonucleotides and the peptides encoded by them may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate expression of the proteins listed above. Disorders that may be prevented, diagnosed and/or treated include multifactorial diseases with a genetic component, such as autoimmune diseases (e.g. rheumatoid arthritis, multiple sclerosis, diabetes, systemic lupus erythromatosus and Grave's disease), inflammation, cancer (e.g. cancers of the bladder, brain, breast, colon and kidney, leukaemia), diseases of the nervous system and an infection of pathogenic
                                                                 Query Match
Best Local S
Matches 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Polymorphic nucleic acids encoding e.g. amylases, cyclins, polymerases, oncogenes and histones, useful for diagnosing and treating, e.g. cancer, autoimmune diseases and infections -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Immunosuppressive; immunostimulatory; antiinflammatory; cytostatic; neuroprotective; antimicrobial; gene therap; vaccine; amylase; can amyloid protein; angiopoietin; apoptosis related protein; cadherin; cyclin; polymerase; oncogene; histone; kinase; colony stimulating f
                                                                                                                                     Sequence 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-465210/50.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    28-DEC-1999; 99US-0173419
27-DEC-2000; 2000US-0173419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                complement related protein; cytochrome; kinesin; cytokine; interferon; interleukin; G-protein coupled receptor; thioesterase; inflammation; multifactorial disease; autoimmune disease; infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human SNP oligonucleotide #1268
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAL28060
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           28-DEC-2000; 2000WO-US35498
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200147944-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24-JAN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  nervous system disease; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (CURA-) CURAGEN CORP.
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                               GGCCTGAAACGGT 28
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RESULT 14
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                                                                                                                                                                                                                                                                The present invention relates to oligonucleotides encoding polymorphic variants of proteins related to amylases, amyloid proteins, angiopoietin, apoptosis related proteins, cadherin, cyclin, polymerase, oncogenes, instones, kinases, colony stimulating factors, complement related proteins, cytokines, interferons, interleukins, cycleins, cycl
                                                                                                  Matches
                                                                                                                                                Query Match
                                                                                                                                                                                            Sequence 50 BP; 17 A; 12 C;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Polymorphic nucleic acids encoding e.g. amylases, cyclins, polymerases, oncogenes and histones, useful for diagnosing and treating, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 complement related protein; cytochrome; kinesin; cytokine; interferc interleukin; G-protein coupled receptor; thioesterase; inflammation; multifactorial disease; autoimmune disease; infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Immunosuppressive; immunostimulatory; antiinflammatory; cytostatic; neuroprotective; antimicrobial; gene therapy; vaccine; amylase; can amyloid protein; angiopotetin; apoptosis related protein; cadherin; cyclin; polymerase; oncogene; histone; kinase; colony stimulating f
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human SNP oligonucleotide #7801.
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27-DEC-2000; 2000US-0173419.
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RESULT

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Search completed: June 23, 2003, 05:43:33 Job time : 203.67 secs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequences shown in AAV41169 to AAV41181 represent antisense CC oligonucleotides to the RNA component of human telomerase (hTR). These CA antisense oligonucleotides pecifically hybridise to a nucleotide sequence within an accessible region of the hTR, but that does not hybridise to a sequence within the template region of hTR. These CC oligonucleotides may specifically be used for detection of an RNA CC component of human telomerase in a sample. This is useful for diagnosing CC cancer (especially neuroblastoma, bladder, colon and prostate cancer), and providing prognosis for a cancer patient. The inhibitory CC oligonucleotides can inhibit the telomerase activity level in a cell by interfering with transcription of the RNA component, decreasing the colliferation with transcription of the RNA component prostate. The sea antisense oligonucleotides can be used for inhibiting telomerase. These antisense oligonucleotides can coll be used for inhibiting telomerase activity in both cultured cells and in cells in vivo. They can be used in therapeticis for treating or preventing cancer, for contraception or sterilisation, for contraception, and for selectively down-regulating specific branches cof immunosuppression, and for selectively down-regulating specific branches cof the immune system, e.g. a specific subset of T-cells, in cantiliammatory therapies or for treating infections by, e.g. yeast, xx
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Best Local S
Matches 12
                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 12 BP; 0 A; 6 C; 1 G; 5 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 1998-377670/32.
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al Similarity 100.0%; F
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SUMMARIES

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| t US 4 4 4 4 4 1 1 1 1 1 1 1 1 | AF. | 6696 | 9353 | 5556 | AX375 BD0066 AX166 A5176 AR070 | A41698 E59618 I05106 I07406 I07637 I71445 | ARC 6 3 84 A 3 5 6 8 6 I 2 1 0 3 5 I 2 1 0 6 2 I 2 1 0 6 2 I 2 1 0 6 9 I 2 1 0 6 9 AR 1 9 4 0 7 AR 1 9 4 0 7 AR 1 9 4 0 7 | | , – |
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                                                                                                                                                                                                                        Unclassified.

1 (bases 1 to 20)

1 (bases 1 to 20)

Kim, N. Woo., Wu, F., Kealey, J.T., Pruzan, R. and Weinrich, S.L.

Methods for detecting the RNA component of telomerase

Methods for detecting the RDEC-1998;

Methods for detecting the DEC-1998;

Methods for detecting the Pacent Unclasses the Pacent
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Sequence 3 from patent US
AR063827
AR063827.1 GI:5993135
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unidentified
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Sequence 14 from Patent
A84604
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Atkinson, E.M. and Kealey, J.T.
PURIFIED TELOMERASE
                                                                                                                                                                                                                                                                                                                                                                                                                  Unknown.
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CGTTCCTCTTCCTGCGGCCT 20
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larity 100.0%;
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/db_xref="taxon:32644"
9 c 4 g
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                                          66.7%; succession 100.0%; Pred. No.
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100.0%; Pred. No. 0.
tive 0; Mismatches
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Sequence 12
AR063836
AR063836.1
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A84597
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1 (bases 1 to 20)
Weinrich, S.L., Atkinson, E.M. III, Lichtsteiner, S.P.,
Pruzan, R. A. and Kealey, J.T.
Purified telomerase
Patent: US 5968506-A 7 19-OCT-1999;
Location/Qualifiers
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unclassified.

1 (bases 1 to 20)

Atkinson, E.M. and Kealey, J.

PURIFIED TELOMERASE
                                          unidentified unidentified
                                                                                                                                                                                                                                                                                                                                                                                           Sequence 7
AR079894
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Unclassified.

(bases 1 to 20)

Kim,N.Woo., Wu,F., Kealey,J.T., Pruzan,R. and Weinrich,S.L.

Methods for detecting the RNA component of telomerase

Patent: US 5846723-A 12 08-DEC-1998;
                                                                       A84597.1 GI:6733513
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Similarity 100.0%; Pred. No. 0.:
20; Conservative 0; Mismatches
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Sequence
AR079898
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Saiga, A., Orita, S., Ig
DNA molecule relating
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                                                                   Patent:
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Location/Qualifiers
                                                                  US 6218522-A 14 17-APR-2001;
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8 c 4 g
                           organism="unknown"
5 c 10 g
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AR092735
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Gray, J.W. and Weier, H.-U.G.
Quantitative DNA fiber mapping
Patent: US 5851769-A 1 22-DEC-1998;
Location/Qualifiers
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Sequence 1 1
AR067594
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Summers,R.G. Jr., Katz,L., Donadio,S. and Staver,M.
Polyketide-associated sugar biosynthesis genes
Patent: US 5998194-A 15 07-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Unknown.
Unclassified.
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5851769.
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Sequence 4 from patent US
AR063828
AR063828.1 GI:5993136
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Sequence 9 from patent US 5795863.
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1. 42
                                                                               1 (bases 1 to 12)
Kim, N. Woo., Wu, F., Kealey, J.T., Pruzan, R. and Weinrich, S.L. Methods for detecting the RNA component of telomerase Patent: US 5846723-A 4 08-DEC-1998;
Location/Qualifiers
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9 c 17 g
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9 c 18 g
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Synthetic human IFN-alpha 2 gene oligo.
A35686
A35686.1 GI:1927068
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1 (bases 1 to 19)
Camble, R. and Edge, M.D.
Analogous interferon polypeptides, process
and pharmaceutical compositions containing
Patent: EP 0194006-A 131 10-SEP-1986;
IMPERIAL CHEMICAL INDUSTRIES PLC
LOCATION/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12;
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                                          l Similarity
12; Conserv
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1 (bases 1 to 20)
Leonard, W.J., Noguchi, M. and McBride, O. Wesley.
Leonard, W.J., Noguchi, M. and McBride, O. Wesley.
Methods for diagnosis of XSCID and kits thereof
Patent: US 551880-A 6 21-MAY-1996;
Location/Qualifiers
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Sequence 6 from patent US
I21035
I21035.1 GI:1601389
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/db_xref="taxon:32630"
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Search completed: June 23, 2003, Job time: 356.346 secs

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/cgn2_6/ptodata/1/pna/US10_NEW_COMB.seq3:*
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US-10-310-188-1208
US-10-287-787-17323
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US-09-660-222-118104
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US-09-860-235-13782
US-10-355-577-643211
US-10-355-577-749521
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US-10-998-263B-114611

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US-60-427-808-324892

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Sequence 7801, Ap
Sequence 26, Appl
Sequence 290, App
Sequence 1208, Ap
Sequence 17323, A
Sequence 17324, A
Sequence 118104,
Sequence 23782, A
Sequence 23782, A
Sequence 23782, A
Sequence 23782, A
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Sequence 469548,
Sequence 118988, A
Sequence 114611,
Sequence 421837,
Sequence 324892,
Sequence 504791,
Sequence 347776,
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| 45 | 44 | 43 | 4 4 | 4 0 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 |
| 13.4 | | | 11. | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.6 | 13.6 | | 13.6 | 13.6 | | | 13.6 | | | 13.8 | 13.8 | 13.8 | 13.8 |
| 67.0 | 67.0 | | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 69.0 | 9 | 9 | 69.0 | 69.0 |
| 25 | 25 | 25 |) L |) N | 25 | 25 | 25 | 21 | 20 | 50 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 24 | 47 | 39 | 33 | 25 | 25 |
| 12 | 12 | 12 | ۰ م | ۰ ۷ | 7 | 7 | 7 | 4. | σ | 9 | 12 | 12 | 12 | 12 | 9 | 7 | 7 | 9 | 9 | œ | 9 | 12 | 12 |
| US-60-427-836-384194 | US-60-427-836-327087 | US-60-427-836-104000 | 10-355-577 | US-09-953-570-16673 | -09 | US-09-953-570-16639 | US-09-953-570-16633 | US-08-825-746-11 | US-09-905-688-11 | US-10-325-899-3869 | US-60-427-836-427516 | US-60-427-808-636423 | US-60-427-808-636422 | US-60-427-808-194584 | US-10-098-263B-69585 | US-09-954-445A-5462 | US-09-953-570-107932 | US-10-310-188-76918 . | US-10-349-143-3619 | US-10-447-242-23365 | US-10-341-967-6 | US-60-427-836-165430 | US-60-427-808-829890 |
| Sequence 384194, | | Sequence 104000. | | | 16672, | 1663 | 166 | | | Sequence 3869, Ap | Sequence 427516, | Sequence 636423, | Sequence 636422, | Sequence 194584, | | Sequence 5462, Ap | 10793 | | 3619, | | Sequence 6, Appli | Sequence 165430, | Sequence 829890, |

ALIGNMENTS

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Sequence 469548, Application US/60427808

GENERAL INFORMATION:

APPLICANT: Xue Mei Zhou

ITITLE OF INVENTION: Methods of Genetic Analysis of Mouse

FILE REFERENCE: 3528

CURRENT APPLICATION NUMBER: US/60/427,808

CURRENT FILING DATE: 2002-11-20

NUMBER OF SEQ ID NOS: 982914

SOFTMARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 469548

LENGTH: 25

TYPE: DD: Mus musculus

US-60-427-808-469548
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US-60-427-808-469548
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US-60-427-808-363970
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SOPTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 363970

LENGTH: 25
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TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
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Pred. No. 1.1e+04;
0; Mismatches 1
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US-10-098-263B-114611
; Sequence 114611, Application US/10098263B
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFRENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT TILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILLING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOPTMARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 114611
                   RESULT 5
US-10-355-577-421837/c
US-10-355-577-421837/c
; Sequence 421837, Application US/10355577
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-Ul33;
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TYPE: DNA; ORGANISM: Homo sapiens
US-10-310-188-18988
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US-10-310-188-18988
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                                                                                                                                                                                                                                                                                                                                  ; TYPE: DNA ; ORGANISM: Homo sapien US-10-098-263B-114611
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CURRENT FILING DATE: 2002-12-19
NUMBER OF SEQ ID NOS: 86841
SOFTWARE: PatentIn version 3.1
SEQ ID NO 18988
LENGTH: 22
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GENERAL INFORMATION:
APPLICANT: ROSECTEAGEMENICS
TITLE OF INVENTION: USES THEREOF
FILE OF INVENTION: USES THEREOF
FILE REFERENCE: 47487
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Best Local
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Best Local Similarity
Matches 16; Conserv
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Best Local Similarity
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     FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577
CURPENT FILING DATE: 2003-01-31
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84.2%; Pred. No. 1.30
ative 0; Mismatches
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93.8%;
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Pred. No. 1.1e+04;
0; Mismatches 1;
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RESULT 8
US-60-427-836-347776/c
; Sequence 347776, Application US/60427836
; GENERAL INFORMATION:
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Sequence 504791, Application US/60427808
GENERAL INFORMATION:
APPLICANT: Xue Me1 Zhou
TITIE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528
CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 504791
LENGTH: 25
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US-60-427-808-324892
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; ORGANISM: Mus musculus
US-60-427-808-504791
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US-60-427-808-324892
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; ORGANISM: Homo sapien
US-10-355-577-421837
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CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 324892
LENGTH: 25
TENGTH: 25
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Best Local S
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GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528
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Best Local Similarity. 84.2%;
Matches 16; Conservative
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SOFTWARE: Microarray Probe S
SEQ ID NO 421837
LENGTH: 25
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Best Local (
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Similarity 84.2%;
16; Conservative
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84.2%;
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Pred. No. 1.3e+04;
0; Mismatches 3;
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Pred. No. 1.3;
0; Mismatches
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Pred. No. 1
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; LOCATION: (0)...(0)
; OTHER INFORMATION: Accession number cg43294227
US-09-749-280B-7801
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; ORGANISM: Rattus norvegicus
US-60-427-836-347776
                                                                                                                                         PCT-US03-04088-26/c
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CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 347776
LENGTH: 25
                                                                              Sequence 26, Application PC/TUS0304088
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQ ID NOS: 10038
SOFTWARE: CuraGen Patent Formatter Version 0.9
SEQ ID NO 7801
LENGTH: 50
                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
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Best Local (
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TITLE OF INVENTION: Nucleotide Polymorphisms and Methods
FILE REPERENCE: 15966-610
CURRENT APPLICATION NUMBER: US/09/749,280B
CURRENT FILING DATE: 2000-12-27
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TITLE OF INVENTION: Methods of Genetic Analysis of
FILE REFERENCE: 3527
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telome
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: 60/173,419
PRIOR FILING DATE: 1999-12-28
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LOCATION: (25)...(26)
OTHER INFORMATION: Nucleotide
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OTHER INFORMATION: single nucleotide polymorphism
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Pred. No. 1.3e+04
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Pred. No. 1
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TITLE OF INVENTION: Expression Using Short Inhibition of Tele
TITLE OF INVENTION: Expression Using Short Interfering RNA (sil
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILLING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR APPLICATION NUMBER: US 60/35,124
PRIOR PRILING DATE: 2002-03-11
PRIOR PPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR PPLICATION NUMBER: US 60/366,782
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR PILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR FILING DATE: 2002-09-05
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR APPLICATION NUMBER: US 60/440,129
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                                                SEQ ID NO 290
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LENGTH: 19
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                                                                        SOFTWARE: PatentIn version 3.2
                                                                                                   NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Ribozyme Pharmaceuticals, Inc.
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CURRENT FILING DATE: 2003-04-28
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LENGTH: 19
TYPE: RNA
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ORGANISM: Artificial
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PILING DATE: 2002-08-29
APPLICATION NUMBER: US 60/408,378
FILING DATE: 2002-09-05
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APPLICATION NUMBER: US 60/440,129
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Beigelman, Leonid
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Pred. No. 1.6e+
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ORGANISM: Artificial

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RESULT 14
US-10-287-787-17324/c
US-10-287-787-17324, Application US/10287787
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US-10-287-787-17323
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; ORGANISM: Homo sapiens
US-10-310-188-1208
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GENERAL INFORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Caulobacter crescentus complete genome.
FILE REFERENCE: Jum Zeger Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/287,787
CURRENT APPLICATION NUMBER: US/10/287,787
NUMBER OF SEQ ID NOS: 27958
SOFTMARE: Proprietary
SEQ ID NO 17323
TYPE: NNA
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GENERAL INFORMATION:
APPLICANT: ROSECTAGEMONICS
TITLE OF INVENTION: BIOLINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENE
FILE REFERENCE: 47487
CURRENT AND TOWN OF THE PROPERTY OF THE REPERTY OF
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CURRENT FILING DATE: 2002-12-19
NUMBER OF SEQ ID NOS: 86841
SOFTWARE: Patentin version 3.1
SEQ ID NO 1208
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Best Local
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OTHER INFORMATION: Description of Artificial Sequence: sina antisense OTHER INFORMATION: region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
ORGANISM: Caulobacter crescentus complete genome.
FEATURE:
LOCATION: (2648691)...(2648713)
OTHER INFORMATION: Chromosome = 1 Strand = posit
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Local Similarity 88.2%; Pred. No. 1.
nes 15; Conservative 0; Mismatche
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Pred. No. 1
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Pred. No. 1.6e+04;
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Search completed: June 26, 2003, 04:15:08 Job time: 487.077 secs

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GENERAL INFORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants,
TITLE OF INVENTION: Caulobacter crescentus complete g
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/287,787
CURRENT FILING DATE: 2003-03-03
NUMBER OF SEQ ID NOS: 27958
SOFTWARE: Proprietary
SEQ ID NO 17324
LENGTH: 24
TYPE: DNA
ORGANISM: Caulobacter crescentus complete genome.
FEATURE: Caulobacter crescentus complete genome.
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Best Local S
Matches 15
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CURRENT FILING DATE: 2000-09-12
PRIOR APPLICATION NUMBER: 60/164,973
PRIOR FILING DATE: 1999-11-11
NUMBER OF SEQ ID NOS: 140981
SOFTWARE: FRStSEQ for Windows Version 4.0
SEQ ID NO 118104
LENGTH: 25
                                                                                  Query Match
Best Local :
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GENERAL INFORMATION
                                                                  Matches
                                                                                                                                                   ORGANISM: Homo Sapiens
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank X56654
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TITLE OF INVENTION: Methods of Genetic Analysis of Human
FILE REFERENCE: 3102.1
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APPLICANT: Affymetrix, In
                                                                                Local
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tive 0; Mismatches
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 52.0 | 52.0 | 52.0 | 52.7 | 52.7 | 52.7 | 52.7 | 53.3 | 53.3 | 53.3 | 53.3 | 55.3 | 55.3 | 55.3 | 66.7 | 66.7 | 66.7 | 66.7 | 100.0 | 100.0 | 100.0 | wacen bengen | Query |
| 44 | 44 | 44 | | 40 | 20 | 20 | | | | | | 50 | 50 | 20 | 20 | 20 | 20 | 31 | 30 | 30 | errigical r | and the na |
| 41 | 37 | _ | 28 | _ | 41 | 41 | 67 | 36 | 36 | 36 | 40 | 40 | _ | 11 | 11 | _ | <u> </u> | 9 | 11 | 1 | ; è | ó |
| US-10-154-460-24 | US-09-992-430B-55 | PCT-US02-16223-24 | US-09-701-626A-97 | PCT-US99-13295-97 | US-10-174-020-138 | US-10-174-020-71 | US-60-234-049-104243 | US-09-956-604B-116016 | US-09-956-604A-116016 | US-09-956-604-116016 | US-10-131-831-304 | US-10-131-827-304 | PCT-US01-47856-304 | US-08-770-564A-15 | US-08-770-564A-3 | PCT-US97-23619-27 | PCT-US97-23619-3 | US-08-521-634-17 | US-08-770-564A-2 | PCT-US97-23619-2 | | = |
| • | Ξ. | Sequence 24, Appl | Sequence 97, Appl | Sequence 97, Appl | Sequence 138, App | Sequence 71, Appl | Sequence 104243, | Sequence 116016, | Sequence 116016, | Sequence 116016, | Sequence 304, App | Sequence 304, App | Sequence 304, App | Sequence 15, Appl | Sequence 3, Appli | Sequence 27, Appl | Sequence 3, Appli | Sequence 17, Appl | Sequence 2, Appli | Sequence 2, Appli | | |

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COUNTRY: USA
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
APPLICANT:
APPLICANT:
TITLE OF INVENTION: Methods for Detecting and Inhibiting
TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3 US-07-972-453-38
US-07-972-453-40
10 US-07-972-453-40
11 US-09-396-196F-71995
11 US-09-396-196F-71995
12 US-09-396-196G-71995
13 US-09-396-196G-71995
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10 US-10-131-827-4600
10 US-10-131-827-4600
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Sequence 40, Appl
Sequence 14541, A
Sequence 14595, A
Sequence 14411, A
Sequence 23355, A
Sequence 23355, A
Sequence 23355, A
Sequence 410, Appl
Sequence 4600, Ap
Sequence 18575, A
Sequence 18575, A
Sequence 54001,
Sequence 54001,
Sequence 54001,
Sequence 54001,
Sequence 54001,
Sequence 900201,
Sequence 900201,
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LOCATION: 1..30
LOCATER INFORMATION: /note= "oligo 14"
PCT-US97-23619-2
RESULT 3
US-08-521-634-17/c
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US-08-770-564A-2
                                                                                                                                                                                                                                   US-08-770-564A-2
                                                                                                                                                                                                                                            TELEPAX: 415-576-300
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: USA

COUNTRY: USA

ZIF: 94111

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/70,564A
FILING DATE: 20-DEC-1996

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 015389-002200US

TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200

TELEPHONE: 415-576-0200
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Best Local Similarity 100.
Matches 30; Conservative
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Best Local Similarity
                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 30 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 CGTTCCTCCTTCCTGCGCCTGAAACGGTGA 30
                                                                                                                                                      30;
                                                                                                     1 CGTTCCTCTTCCTGCGGCCTGAAACGGTGA 30
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                                                                                                                                                    100.0%; Score 30; DB 11; dlarity 100.0%; Pred. No. 0.017; Conservative 0; Mismatches 0;
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                                                                                                                                                                                             Length 30;
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RESULT 1 PCT-US97-23619-2

Sequence 2, Application PC/TUS9723619
GENERAL INFORMATION:
APPLICANT:
APPLICANT:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION DATA:
BELLOW DATE: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 33,944
REGISTRATION NUMBER: 15,944
REFERENCE/DOCKET NUMBER: 1589-27PC
TELECOMMUNICATION: 1589-27PC
TELEPHONE: (415) 576-0200
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:

15389-27PC

CLASSIFICATION:

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Best Local Similarity
                                                                                                                             Sequence 3, Application PC/TUS9723619 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 17, Application US/08521634 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/482,115
FILING DATE: 7 JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/472,802
                                   APPLICANT
                                                                 APPLICANT:
                                                                                                APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: DNA (oligonucleotide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: 15
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US 0: FILING DATE: 7-JUL-1994 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                  APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
 TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PPLICANT: Punk, manualiam
APPLICANT: Andrews, William
Telomerase
                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US 08 PILING DATE: 27-OCT-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/08/521,634
FILING DATE: 31-AUG-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Dunn, Tracy J.
REGISTRATION NUMBER: 34,587
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET:
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                                                                                                                                                                                                                            31
                                                                                                                                                                                                                                                                                        30;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           94105
                                                                                                                                                                                                                                                      CGTTCCTCTTCCTGCGGCCTGAAACGGTGA 30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3B: Townsend and Townsend and Crew One Market Plaza, Steuart Tower, Suite 2000
                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        USA
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                                                                                                                                                                                                                                                                                                                                                                                       linear
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                                                                                                                                                                                                                                                                                                                                                                                                   single
                                                                                                                                                                                                                                                                                                     100.0%;
Methods for Detecting and Inhibiting the RNA Component of Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           us 08/330,123
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                                                                                                                                                                                                                                                                                                   Score 30; DB 9; Length 31; Pred. No. 0.017;
                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                    0,
                                                                                                                                                                                                                                                                                    Indels
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RESULT 5
PCT-US97-23619-27
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                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/
FILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                APPLICANT:
APPLICANT:
APPLICANT:
                                                                                       TITLE OF INVENTION: ME
TITLE OF INVENTION: RN
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                     APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELECOMMUNICATION INFORMATION: TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Patentin Rel
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES:
                                                                                                                                                      PPLICANT
COUNTRY: USA
ZIP: 94111-3834
                           STATE: California
                                                          STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY: -
LOCATION: 1..20
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Storella, John R. REGISTRATION NUMBER: 32, REFERENCE/DOCKET NUMBER:
                                             CITY:
                                                                          ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STREET: Two Embarcac
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS:
TOPOLOGY: lir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                      20;
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                                             San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                      Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    nucleic acid
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                                                                                                                                                                                                                                                          Application PC/TUS9723619
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                                                          Two Embarcadero
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
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                                                                       Townsend and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Not yet assigned
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       576-0300
                                                                                                       RNA
29
                                                                                                                                   Methods for Detecting and Inhibiting the
                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "oligo 14ab"
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                                                                                                                    Component of Telomerase
                                                        Townsend and Crew LLP
Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                      Score 20; ; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                      0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      15389-27PC
                                                                                                                                                                                                                                                                                                                                                                                                                      3.2e+02
                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 20
                                                                                                                                                                                                                                                                                                                                                                                                    <u>.</u>.
                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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COMPUTER READABLE FORM:

SOFTWARE: PATENTIN Rel CURRENT APPLICATION DATA: APPLICATION NUMBER: PO FILING DATE: Not yet a

Not yet assigned

PCT/US97/23619

MEDIUM TYPE: COMPUTER: I

R: IBM PC compatible NG SYSTEM: PC-DOS/MS-DOS

Release #1.0, Version #1.30

Floppy disk

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RESULT 6
US-08-770-564A-3
                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 3, Application vs, vs. Sequence 3, Application vs, vs. APPLICANT: Kealey, James T. APPLICANT: Pruzan, Ron APPLICANT: Weinrich, Scott L. APPLICANT: Weinrich, Scott L. TITLE OF INVENTION: Against the RNA Component of Telomerase NUMBER OF SEQUENCES: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; NAME/KEY: -
LOCATION: 1..20
; OTHER INFORMATION: /note= "oligo 14bc"
pcT-US97-23619-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:

PRIOR APPLICATION NUMBER: US 08/770,564

FILING DATE: 20-DEC-1996

PRIOR APPLICATION DATA:

APPLICATION DATA:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/770,565

FILING DATE: 20-DEC-1996

ATTORNEY/AGENT INFORMATION:

NAME: SCOTEAL, John R.

REGISTRATION NUMBER: 32,944

REGISTRATION NUMBER: 35,944

REFERENCE/DOCKET NUMBER: 15389-27PC

TELECOMMUNICATION INFORMATION:

TELEPAX: (415) 576-0200

TELEFAX: (415) 576-0200

INFORMATION FOR SEQ ID NO: 27:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 base pairs

TYPB: nucleic acid

STRANDENNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 66.7%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 3.2e+02; Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                    COUNTRY: USA
COUNTRY: USA
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
                                               CLASSIFICATION:
ATTORNEY/AGENT INF
NAME: Storella,
                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS:
REGISTRATION NUMBER: 32, REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11 CCTGCGGCCTGAAACGGTGA 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CCTGCGGCCTGAAACGGTGA 20
                                         AGENT INFORMATION:
Storella, John R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    linear
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TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-770-564A-3
                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER TEADABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFICATION: 514
AFTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 0.15389-002200US
TELECOMMUNICATION 1FORMATION:
TELEPHONE: 415-576-0200
T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Pruzan, Kon
APPLICANT: Weinrich, Scott L.
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: CA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 7
US-08-770-564A-15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 66.7%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 3. Matches 20; Conservative 0; Mismatches
Query Match 66.7%; Score 20; DB 11;
Best Local Similarity 100.0%; Pred. No. 3.2e+02
Matches 20; Conservative 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 3:
                                                                                                                                                                                                             STRANDEDNESS:
TOPOLOGY: lin
MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       QUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
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Pruzan, Ron
                                                                                                                                                                                                                                                              linear
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                                                                                            Length 20;
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11 CCTGCGGCCTGAAACGGTGA 30

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PCT-US01-47856-304/c

Application PC/TUS0147856

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                                                                                                                                      ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-131-827-304
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US-10-131-827-304/c
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                                                                     Query Match
Best Local S
Matches 19
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SEQ ID NO 304
LENGTH: 50
TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                         SOFTWARE: PatentIn version 3.1
SEQ ID NO 304
LENGTH: 50
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                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: US 10/006,290 PRIOR FILING DATE: 2001-10-22 PRIOR APPLICATION NUMBER: US 60/296,764 PRIOR FILING DATE: 2001-06-08
                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/10/131,827
                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND MONITORING AUTOIMMUNITITLE OF INVENTION: CHRONIC INFLAMMATORY DISEASES
FILE REFERENCE: 506612000120
                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Wohlgemuth, Jay
APPLICANT: Fry, Kirk
APPLICANT: Woodward, Robert
APPLICANT: Ly, Ngoc
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TITLE OF INVENTION: LEUKOCYTE EXPRESSION PROFILING
FILE REFERENCE: 506612000140
CURRENT APPLICATION NUMBER: PCT/US01/47856
CURRENT FILING DATE: 2001-10-22
PRIOR APPLICATION NUMBER: US 60/241,994
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: US 60/296,764
PRIOR PILING DATE: 2001-06-08
                                                                                                                                                                                                                                            NUMBER OF SEQ ID NOS: 9090
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                                                                                     Local Similarity
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                         TCTTCCTGCGGCCTGAAACGGTG 29
TCTTTTTGTGGCCTGAAACGATG 24
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Phillips, Julie
Woodward, Robert
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Quertermous, Th
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                                                                     Conservative
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                                                                               55.3%;
82.6%;
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Pred. No. 1.
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Pred. No. 1
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RESULT 12
US-09-956-604A-116016/c
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; TYPE: DNA
; ORGANISM: Escherichia coli
US-09-956-604 116016
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Sequence 116016, Application US/09956604A
GENERAL INFORMATION:
APPLICANT: Mitmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3117.1
CURRENT APPLICATION NUMBER: US/09/956,604A
CURRENT FILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 60/234,049
PRIOR APPLICATION NUMBER: 60/234,049
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 116016, Application US/09956604
GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Escherichia coli
FILE REFERENCE: 3117.1
CURRENT APPLICATION UMMBER: US/09/956,604
CURRENT FILING DATE: 2001-09-19
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FILE REFERENCE: 506612000121
CURRENT APPLICATION NUMBER: US/10/131,831
CURRENT FILING DATE: 2002-08-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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PRIOR FILING DATE: 2001-06-08
NUMBER OF SEQ ID NOS: 9190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: US 10/006,290 PRIOR FILING DATE: 2001-10-22
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TYPE: DNA
ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                        Local
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Woodward, Robert
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                                                                                                                                                                                                                                                                                                                                                   53.3%;
79.2%;
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Pred. No. 1.1e+04;
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Pred. No. 1.7e+04
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                                                                                    of Escherichia
                                                                                                                                                                                                                                                                                                                                                                    Length 25;
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Sequence Listing Generator V 1.1

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; ORGANISM: Escherichia coli
US-09-956-604B-116016
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US-09-956-604B-116016/c
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                                                                                                                           US-60-234-049-104243
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PRIOR FILING DATE: 2000-09-19
PRIOR FILING DATE: 2000-09-19
NUMBER OF SEQ ID NOS: 141629
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 116016
LENGTH: 25
TYPE: Num
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Best Local S
Matches 19
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Best Local Similarity 79.2%;
Matches 19; Conservative
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GENERAL INFORMATION:
APPLICANT: Mitmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3117.1
CURRENT APPLICATION NUMBER: US/09/956,604B
CURRENT FILING DATE: 2001-09-19
                                               Query Match 53.3
Best Local Similarity 79.2
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 104243, Application US/60234049 GENERAL INFORMATION:
                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/60/234,049
CURRENT FILING DATE: 2000-09-19
NUMBER OF SEQ ID NOS: 141629
SOFTWARE: FastSEQ for Windows Version 4.0
ENG ID NO 104243
LENGTH: 25
TYPE: DNA
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APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of
TITLE OF INVENTION: Becherichia coli
FILE REFERENCE: 3117
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SOFTWARE: MICROARRAY PROBE SIEQ ID NO 116016
LENGTH: 25
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                                                                                                                                           ORGANISM: Eschericia coli
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank U00096
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5 CCTCTTCCTGCGGCCTGAAACGGT 28
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                                                            53.3%;
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                                                                 Score 16; DB 67; Length 25; Pred. No. 1.7e+04;
                                                 Mismatches
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                                                 5; Indels
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24 CCTATTCCAGCGGCCGGTAATGGT 1

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RESULT 15
US-10-174-020-71
US-10-174-020-71
Sequence 71, Application US/10174020
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Brett P. MOSIE
TITLE OF INVENTION: ANTISENSE MODULATION OF HYPOTHETICAL TUMOR ENDOTHELIAL MARKER EX
FILE REFERENCE: RTS-0369
CURRENT APPLICATION NUMBER: US/10/174,020
CURRENT FILING DATE: 2002-06-17
NUMBER OF SEQ ID NOS: 149
SEQ ID NO 71
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-10-174-020-71
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                                                                              Query Match 52.7
Best Local Similarity 89.5
Matches 17; Conservative
cerrecrirecresec 20
                                                                                                     52.7%;
89.5%;
                                                                                      0; Mismatches
                                                                                                          Score 15.8; DB Pred. No. 2e+04;
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Search completed: June 25, 2003, 06:20:20 Job time: 2551.19 secs

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Minimum
Maximum
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No.
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Maximum Match
Listing first
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US-09-918-696-13
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Sequence 89578, A
Sequence 71, Appl
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48187, A
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13, Appl
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23782, A
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| 45 | 44 | 43 | 42 | 41 | 40 | 39 | 38 | 37 | 36 | 35 | 3 4 | ယ | 32 | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 | 20 |
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| US-10-174-717A-18 | US-09-930-423-1849 | 9-78 | -09-90 | US-09-836-705-39 | US-09-866-108-5285 | US-09-866-108-5284 | US-09-866-108-5283 | US-09-866-108-5282 | US-09-866-108-5281 | | US-09-866-108-5279 | 66-108- | 8-263B-4810 | -10-098-263E | -215- | US-10-215-112-8421 | 9-429- | 4 | 8-263B- | À | 8-2 | 0-098-263B- | 8-263B- | Ņ | US-09-995-847-25 |
| Sequence 18, Appl | 4 | 329 | 18, | 35 | 52 | 52 | e 52 | e 52 | e 52 | 52 | Sequence 5279, Ap | ce 52 | 48100, | e 24011, | Sequence 13161, A | e 8421, | Sequence 17, Appl | e 428, | Sequence 106347, | e 96094, | e 96 | e 62932, | e 61269, | e 683, Ap | Sequence 25, Appl |

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ALIGNMENTS

US-10-098-263B-89577

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SOFTWARE: Microarray Probe Se
SEQ ID NO 89577
LENGTH: 25
TYPE: DNA
ORGANISM: Homo sapien
US-10-098-263B-89577
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Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 89577, Application US/10098263B Publication No. US20030104410A1 GENERAL INFORMATION: APPLICANT: Withman, Michael TITLE OF INVENTION: Human Microarray
                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILLING DATE: 2003-01-08
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CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
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PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
                   PRIOR APPLICATION NUMBER: 60/276,759 PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
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Pred. No. 1.5e
0; Mismatches
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1.5e+03;
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Sequence

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Gaps

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RESULT 4
US-10-251-385-115/c
US-10-251-385-115/c
Sequence 115, Application US/10251385
Sequence 115, Application US/10251385
Publication No. US20030105292A1
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Chalmers, Derek T.
APPLICANT: Liaw, Chen W.
APPLICANTON: No. US20030105292A1-Endogenous, Constitutively Activated Human G.
TITLE OF INVENTION: Protein-Coupled
TITLE OF INVENTION: Protein-Coupled
FILE REFERENCE: AREN-0040
CURRENT APPLICATION NUMBER: US/10/251,385
CURRENT FILING DATE: 2002-09-20
PRIOR APPLICATION NUMBER: US/09/170,496
PRIOR APPLICATION NUMBER: US/09/170,496
PRIOR FILING DATE: 1998-10-13
NUMBER OF SEQ ID NOS: 294
SOFTWARE: Patentin version 3.1
SEQ ID NO 115
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; ORGANISM: Homo sapien
US-10-098-263B-89578
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NAME/KEY: misc feature
LOCATION: ()..()
OTHER INFORMATION: Synthetic
US-09-832-355A-71
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Best Local S
Matches 18
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CURRENT APPLICATION NUMBER: US/09/832,355A
CURRENT FILING DATE: 2001-04-10
NUMBER OF SEQ ID NOS: 126
SOFTWARE: PETENTIN VERSION 3.0
SEQ ID NO 71
LENGTH: 39
TYPE: DNA
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publication No. US20030027751A1
GENERAL INFORMATION:
APPLICANT: Kovesdi, Imre
APPLICANT: Kessler, Paul
TITLE OF INVENTION: VEGF FUSION PROTEINS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: Microarray
SEQ ID NO 89578
LENGTH: 25
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Best Local Similarity 81.0%;
Matches 17; Conservative
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                                                 TYPE: DNA ORGANISM: Artificial Sequence
               OTHER INFORMATION: No. US20030105292A1el Sequence
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Local Similarity 78.3%;
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Pred. No. 1.5e+03;
0; Mismatches 5;
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Pred. No. 2.3e+03;
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US-10-098-263B-114611
US-10-098-263B-114611, Application US/10098263B
; Sequence 114611, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
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US-10-098-263B-114611
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-978-600-120/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 114611
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 18; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 120, Applicat Publication No. US2003 GENERAL INFORMATION:
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Best Local S
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CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
                   LENGTH:
                                                                                                                                                                                                                                                                                                                                                                          APPLICANI:
PARKER, WILLIAM U.
DAVIS, ROBERT
MILLER, SCOTT W.
TITLE OF INVENTION: Diagnosis, Therapy and Cellular and
Animal Models for Diseases Associated With Mitochondrial
                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: Kenyon & Kenyon
STREET: 1025 Connecticut Avenue, N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: HERRNSTADT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28 GTTCCCCATCTTTGGGCCTGAAGC 5
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                                                                                                                                                                                                                                                                                                  CITY: Washington
STATE: DC
                                                                                                                                                                                                                                                                                   COUNTRY: USA
FILING DATE: 30-MAR-1995
APPLICATION NUMBER: PCT/US95/04063
FILING DATE: 30-MAR-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Application US/09978600 o. US20030087858A1
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84.2%; Pred. No. 3.4;
tive 0; Mismatches
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Pred. No. 2.
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ATTORNEY/AGENT INFORMATION:

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; Sequence 14, Application US/09918696
; Publication No. US20030003076A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-918-696-13
APPLICANT: Nye, Julie
APPLICANT: Nye, Julie
APPLICANT: Hermiston, Terry
APPLICANT: Hermiston, Terry
APPLICANT: INVENTION: ADBROVIRUS E1B-55K SINGLE AMINO ACID MUTANT AND METHODS OF USE
TITLE OF INVENTION: ADBROVIRUS E1B-55K SINGLE AMINO ACID MUTANT AND METHODS OF USE
TILE REFERENCE: ONYX1047-US
CURRENT APPLICATION NUMBER: US/09/918,696
                                                                                                                                                                                                                                                                                                                                                                   Matches
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SEQ ID NO 13
LENGTH: 40
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Publication No. US20030003076A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Shen, Yuqiao
APPLICANT: Nye, Julie
APPLICANT: Hermiston, Terry
TITLE OF INVENTION: ADENOVIRUS E1B-55K SINGLE AMINO ACID MUTANT AND METHODS OF USE
FILE REFERENCE: ONYX1047-US
CURRENT FILING DATE: 2001-07-30
CURRENT FILING DATE: 2001-07-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: US 60/222,887
PRIOR FILING DATE: 2000-08-03
NUMBER OF SEQ ID NOS: 52
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: ONYX-058
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
                                                                                                                                                                                                                                                                                                                                                                 Local Similarity 77.3
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MOLECULE TYPE: other nucleic acid
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TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DNA
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Pred. No.
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Pred. No.
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4.2e+03;
5;
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                                                   ; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-23782
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; Sequence 23782, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-215-112-5699/c
                                                                                                                       SOFTWARE: Microarray Probe SEQ ID NO 23782
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 5699
LENGTH: 25
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Best Local 9
Query Match
Best Local Similarity
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                                                                                                                                                                         APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/10/215,112
CURRENT FILING DATE: 2002-08-08
NUMBER OF SEQ ID NOS: 14936
SOFTWARE: FastSEQ for Windows Version 4.0
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                                                                                                                                                          NUMBER OF SEQ ID NOS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Michael
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TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: Synthetic Oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Artificial Sequence FEATURE:
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46.0%;
88.2%;
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77.3%;
                                                                                                                                          Sequence Listing Generator V 1.1
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Pred. No. 5.2e+03;
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 Score 13.8; DB 9;
Pred. No. 5.2e+03;
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RESULT 11
US-10-098-263B-127465/c
PS-10-098-263B-127465, Application US/10098263B
REQUERCE 127465, Application US/10098263B
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CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
PRIOR FILING DATE: 131066
NUMBER: OF SEO ID NOS: 131066
NUMBER: OF SEO ID NOS: 0500 TO 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-127465
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Best Local
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US-10-098-263B-127466
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
CURRENT FILING DATE: 2003-01-08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION BE 160/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
NOFMARE: Microarray Probe Sequence L.
SOFTWARE: Microarray Probe Sequence L.
SOFTWARE: Microarray Probe Sequence L.
PRO ID NO 127466
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118 1
FILE REFERENCE: MUMBER: US/10/09
                                                                                                                                                                                                                                                                                                                                                                                          Query Match
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Similarity 72.0%;
18; Conservative
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                                                                                          3, Application US/10023096
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IS20030104410A1
Kruzel, Marian L.
Kurecki, Tomasz
Gollnick, Paul D
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pred. No. 5.2e
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                                                                                                                                                                                                                     ORGANISM: Homo sapien
US-10-098-263B-48187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              equence 48187, Application US/10098263B squence No. US/20030104410A1
                                                                                    Query Match
Best Local Similarity
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COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: Ploppy disk

COMPUTER: IRM PC COMPUTER:

COMPUTER: PC-DOS/MS-DOS

OPERATING SYSTEM: PC-DOS/MS-DOS

OPERATING SYSTEM: Release #1.0, \

SOFTWARE: PatentIN Release #1.0, \

SOFTWARE: PATENTION DATA:

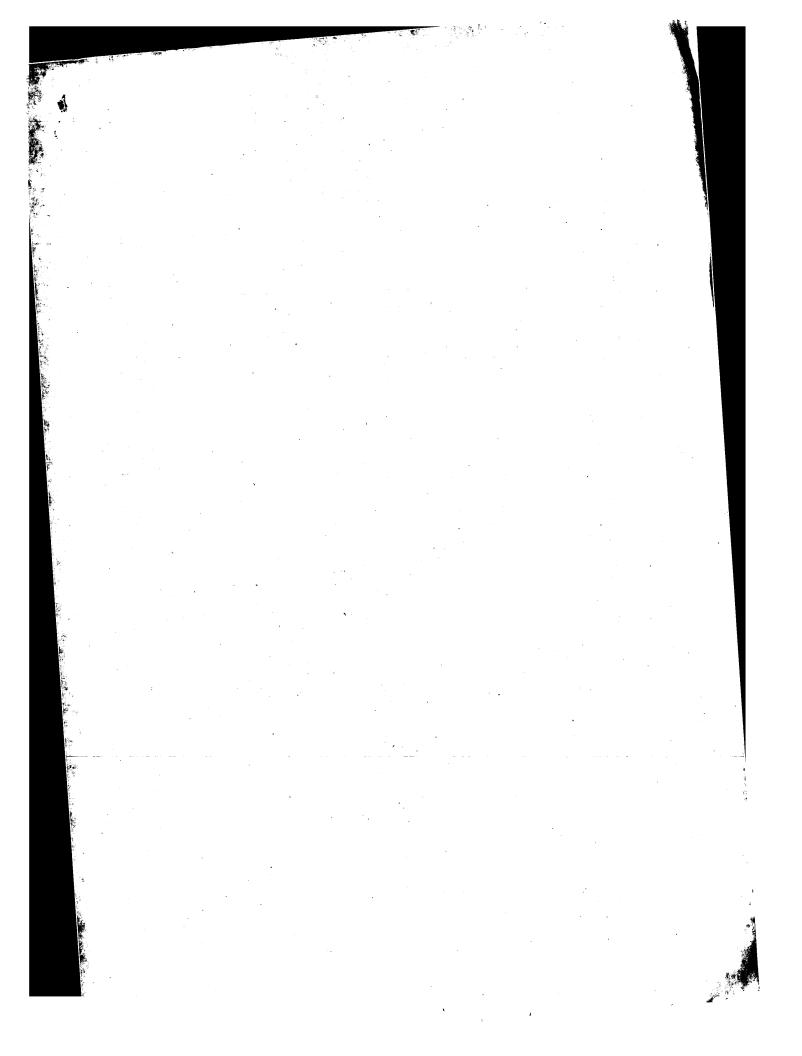
CURRENT APPLICATION NUMBER: US/10/023,096

APPLICATION NUMBER: US/10/023,096
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PRORNEY, MARKET PROPERTY NUMBER: 1000-
REGISTRATION NUMBER: 1000-
REFERBNCE/POCKET NUMBER: 1000-
REFERBNCE/POCKET NUMBER: 1000-
REFERBNCE/POCKET NUMBER: 1000-
TELEPHONE: (202) 638-666
TELEPHONE: (202) 33-5350
TELEPHONE: (202) 33-5350
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
SEQUENC
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Best Local S
Matches 18
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APPLICATION NUMBER: US/08/724,586
APPLICATION NUMBER: 1996
FILING DATE: 30-SEPT-1996
FILING DATE: 05-MAY-1994
FILING DATE: 05-MAY-1994
FILING DATE: 05-MAY-1994
ATTORNEY/AGENT IMPORMATION:
NAME: Player, William E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STREET: 400 CON D.C.
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400 Seventh St. N.W.
25 TCCTTCTCCTACGGCCGGATCCGCT 1
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1 Similarity 72.0%;
1 Similarity 12.0%;
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AL: NO
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pred. No. 5.2e+03;
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Length 25;



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Maximum Match 100%
Listing first 45 summaries
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   Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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1: /cgn2_6/ptodata/2/ina/5A_COMB.seq:*

2: /cgn2_6/ptodata/2/ina/5B_COMB.seq:*

3: /cgn2_6/ptodata/2/ina/6A_COMB.seq:*

4: /cgn2_6/ptodata/2/ina/6B_COMB.seq:*

5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*

6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*
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  Match
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   GenCore version 5.1.6 (c) 1993 - 2003 Compus
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US-08-770-565-2
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US-08-833-377-7
US-08-833-377-7
US-08-833-377-7
US-08-833-377-14
US-08-933-803A-14
US-08-933-803A-14
US-08-465-566-1
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US-08-413-740A-120
US-08-418-641-38
US-08-413-740A-120
US-08-931-313-38
US-08-672-213-8
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US-08-973-131-38
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1 CGTTCCTCTTCCTGCGGCCTGAAACGGTGA 30

Query Match 100.0%; S Best Local Similarity 100.0%; P Matches 30; Conservative 0;

Score 30; DB Pred. No. 0.0 0; Mismatches

DB 2; 1

Length 30; ; ; Indels

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| | Appl Appl Appl Appl Appl Appl Appl Appl |

Patent No.

Application US/08770565 5846723

Kim, Nam Woo Wu, Fred

PLICANT: Kealey, James T.
PLICANT: Pruzan, Ronald
PLICANT: Weinrich, Scott L.
TLE OF INVENTION: Methods for
TLE OF INVENTION: Telomerase

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COMPUTER READABLE FORM:

MEDIUM TYPE: Flopy disk
COMPUTER: TEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 01.5389-002300US
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION DATA 15-576-0200
INFORMATION FOR SEG ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: Inhear
                                           APPLICANT: Kim, Nam Woo
APPLICANT: Wu, Fred
APPLICANT: Welsey, James T.
APPLICANT: Welnrich, Ronald
APPLICANT: Weinrich, Scott L.
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component
TITLE OF INVENTION: Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MMER OF SEQUENCES: 26
MMER OF SEQUENCES: 26
RERESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CGTTCCTTCCTGCGGCCTGAAACGGTGA 30
         TOWNSEND and TOWNSEND and CREW LLP
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100.0%; Pred. No. 3.:
:ive 0; Mismatches
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Methods for Detecting the RNA Component
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US-08-770-565-12
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Best Local S
Matches 20
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REGISTRATION NUMBER: 0153:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
TELEPAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PACTON PC-DOS (MS-DOS)

CURRENT APPLICATION DATA: US/08/770,565

PILING DATE: 20-DBC-1996

CLASSIFICATION: 435

CLASSIFICATION: 435
ZIP: 9411-3834

ZIP: 9411-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Pacentin Release #1.0, Ver

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/833,377

FILING DATE: 04-APR-1997

CLASSIFICATION BATA:

APPLICATION NUMBER: US 08/510,736

FILING DATE: 04-AUG-1995

ATTORNEY_AGENT INFORMATION:

NAME: Storella, John R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ent No.
                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                              ADJUKESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California COUNTRY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: Two Embaro
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TOPOLOGY: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11 CCTGCGGCCTGAAACGGTGA 30
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20; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Weinrich, Scott L.
Atkinson III, Edward M.
Lichtsteiner, Serge P.
Vasserot, Alain P.
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100.0%; Pred. No. 3.5;
Live 0; Mismatches
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; MOLECULE TYPE: DNA US-08-770-565-3

Best Local Similarity 100 Matches 20; Conservative

1 CGTTCCTCTTCCTGCGGCCT 20

cerrecrecedeer 20

Patent No.

INFORMATION:

2, Application US/08770565 5846723

-08-770-565-12

Query Match

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                                                                         CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UNMBER: US 08/510,736
FILING DATE: 04-AUG-1995
ATTORNEY/AGENT IMPORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-001.
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPAX: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                             TELEPAX: (415) 576-030 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                             CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Kealey, ITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: 01
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: -
LOCATION: 1..20
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
STRANDEDNESS:
                                                                                                                                                                                                                                                                              APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                              SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRANDEDNESS:
TOPOLOGY: lir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                94111-3834
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20; Conservative
               nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                             California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Application US/08833377
                                                                                                                                                                                                                                                                                                                                                                                                                                                             B: Townsend and Townsend
Two Embarcadero Center,
                                  20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                               USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Atkinson III, Edward N
Lichtsteiner, Serge P
Vasserot, Alain P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       : (415) 576-020
(415) 576-0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TTCCTCTTCCTGCGGCCT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kealey, James T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Weinrich, Scott L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DNA
                                                                                                                                                                                                                                                               04-APR-1997
single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Purified Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ronald A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         66.7%; Score 20; DB 2; 100.0%; Pred. No. 3.5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note= "Oligo 14ab"
                                                                                                                                                                                                                                                                              US/08/833,377
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             Townsend and C
Center, Eighth
                                                                                                                               015389-001110US
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             Crew LLP
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US-08-859-998-413
                                              US-08-859-998-413
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Query Match
Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Patent No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                TELEFAX: 415-854-0875
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                            FILING DATE:
ATTORNEY/AGENT INFORMATION:
ATTORNEY/AGENT INFORMATION:
NAME: Field, Bret E.
REGISTRATION NUMBER: 37,620
REFERENCE/DOCKET NUMBER: 9999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-322-5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                     FILING DATE: 21-MAY-:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                         FEATURE:
                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM
MEDIUM TYPE: Disket
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE:
NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION:
                                                                                       MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Jokhadze,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LOCATION: 1
OTHER INFORMATION:
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                              OPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows
                                                                                                       STRANDEDNESS: si
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 94025
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET:
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                                                            OTHER INFORMATION: oligonucleotide primer
                                                                                                                                                   LENGTH:
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                                                                                                                                  nucleic acid
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                                                                                                                                                  32 base pairs
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Bibilashvilli, Ro
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                                                                                                                     single
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50.7%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= "biotinylated Oligo 14ab"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /mod_base= OTHER
/note= "N = 5' biotinylated cytidine"
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Score 15.2;
Pred. No. 4
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                 DB 2;
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              Length 32;
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Matches

Local Similarity

Conservative

Mismatches

Indels

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Gaps

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4.4e+02;

3 TTCCTCTTCCTGCGGCCTGAAACGGTGA 30

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TTCCTGTTACTGAGAACTCAAAGGGTTA

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US-09-121-321-14/c
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US-09-225-928-413
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US-09-225-928-413
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                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                               Query Match
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INFORMATION FOR SEQ ID NO: 413:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION - Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/859,998
FILING DATE: 21-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Field, Bret E.
REGISTRATION NUMBER: 37,620
REGISTRATION INFORMATION:
REFERENCE/DOCKST NUMBER: 09096/002001
TELEPHONE: 415-322-5070
TELEPHONE: 415-322-5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FASESEQ for Windows Version
CURRENT APPLICATION NUMBER: US/09/225,928
FILING DATE: 05-Jan-1999
FILING DATE: 05-Jan-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Chenchik, Alex
Jokhadze, George
Bibilashvilli, Ro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Bibilashvilli, Robert
TITLE OF INVENTION: METHOD OF AS
EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: DNA
                                                                                                                INFORMATION:
                                 NT: Saiga, Akihiko
NT: Orita, Satoshi
NT: Igarashi, Hisanaga
NT: Okumura, Kouichi
                                                                                                                                                                                                                                                                                      3 Trecrerecesecergaaaceses 30
                                                                                                                                                                                                                                                                                                                                                Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: Fish & Richardson, P.C. STREET: 2200 Sand Hill Road, Suite 100 CITY: Menlo Park STATE: CA COUNTRY: US
                                                                                                                                                                                                                                                   TTCCTGTTACTGAGAACTCAAAGGGTTA 28
                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: oligonucleotide primer INCE DESCRIPTION: SEQ ID NO: 413:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 32 base pairs
TYPE: nucleic acid.
STRANDEDNESS: single
                                                                                                                                                      Application US/09121321
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               linear
                                                                                                                                                                                                                                                                                                                                             50.7%;
DNA MOLECULE RELATING TO SUPPRESSION OF
                                                                                                                                                                                                                                                                                                                            0
                                                                                                                                                                                                                                                                                                                                             Score 15.2; DB 4; Length 32; Pred. No. 4.4e+02;
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TELEPAX: 212-596-9090
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 29 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
---+ tocal Similarity
                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "synthetic DNA"
COUNTRY: USA
ZIF: 10020
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDIUM TYBE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/121,321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Haley, James F.
REGISTATION NUMBER: 27,794
REFERENCE/DOCKET NUMBER: SH
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-596-9000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION UNMER: US 08
PILING DATE: 19-SEP-1997
PILING DATE: 19-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: 41-10: 1-10-1
                                                                                                                                                                                                                                                       APPLICANT: Saiga, Akihiko
APPLICANT: Orita, Satoshi
APPLICANT: Igarashi, Hisanaga
APPLICANT: Okumura, Kouichi
APPLICANT: Sakaguchi, Gaku
TITILE OF INVENTION: DNA MOLECULE RELATING TO SUPPRESSION OF
TITILE OF INVENTION: GENE EXPRESSION AND NOVEL PROTEIN
NUMBER OF SEQUENCES: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
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CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS
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CITY: New York
STATE: New York
                                                                                                                                                                           STREET: 1251 A
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                                                                                                                                                                                                               DDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                 4, Application US/08933803A 6218522
                                                                                                                                                            New York
                                                                                                                                                                                           E: FISH & NEAVE
1251 Avenue of the Americas
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linear
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81.0%; Pred. No. 7.
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US/08/933,803A

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US-08-456-566-1
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Best Local Similarity
   Matches
                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                         TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: 212-596-9090
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "synthetic DNA"
                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
NAME: Hanson, No. 5723127man D.
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: BOER 1
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                             CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/00
FILING DATE: 1-JUNE-1995
CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM: MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 29 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Haley, James F.
REGISTRATION NUMBER: 27,794
REFERENCE/DOCKET NUMBER: SH
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Kohnert, Ulrich;
APPLICANT: Fischer, Stephan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
 Local Similarity hes 17; Conserva
                                                                                               TYPE: nucleic STRANDEDNESS:
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TELEPHONE: 212-596-9090
TO NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 19-SEP-1997
CLASSIFICATION: 536
                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM PS/2
OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEB:
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                                                                                    TOPOLOGY:
                                                                                                                                  LENGTH:
                                                                                                                                                                                               TELEPHONE:
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T: 805 Third Avenue
New York City
                                                                                                              nucleic acid
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                                                                                                                                 43 base pairs
                                                                                                                                                                              : (212) 688-92
(212) 838-3884
                                                                                                                                                                                                                                                                                                                                                                                                                                                                USA
48.7%;
ilarity 81.0%;
Conservative
                                                                              linear
                                                                                                                                                                                                                                                                                                                                                                 Wordperfect
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                                                                                                                                                                                               688-9200
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Use Of The Protease Domain Of Human
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81.0%;
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Score 14.6; DB 1; Length 43; Pred. No. 8.3e+02; O; Mismatches 4; Indels
                                                                                                                                                                                                                                BOER 1049
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Pred. No. 7.8e+02;
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US-09-009-044-1
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US-08-463-115-85
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                                                                                                                                                                                                                                                       Sequence 85, Application US/08463115
Patent No. 5703221
GENERAL INFORMATION:
APPLICANT: WILLIAM JOHN MARTIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 1, Applic
Patent No. 5908625
GENERAL INFORMATI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local :
TITLE OF INVENTION: ISOLATED STEATITILE OF INVENTION: AND RELATED VINUMBER OF SEQUENCES: 104
CORRESPONDENCE ADDRESS:
ADDRESSE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: (212) 838-3884 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION: 424
PRIOR APPLICATION NUMBER: 1
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APPLICANT: Fischer, Stephan
The Protease Domain Of The Protease Tomain Of The Protease T
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ATTORNEY/AGENT INFORMATION:
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ADDRESSEE: Felfe & Lynch
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
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                                                                                                                                                                                 WILLIAM JOHN MARTIN
NVENTION: ISOLATED STEALTH VIRUSES
NVENTION: AND RELATED VACCINES
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81.0%;
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Pred. No. 8.3e+02;
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Treatment Of Thromboembolic Dis
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S-08-...
Sequence bs, 75348b
Patent No. 575348b
Patent No. WILLIAN
WILLIAN
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US-08-465-388-85
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PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA: including application
PRIOR APPLICATION DATA: described below:
APPLICATION NUMBER: 09/157,611

PILING DATE: NO. 5703221ember 23, 1993
APPLICATION NUMBER: 07/887,502

FILING DATE: May 22, 1992
APPLICATION NUMBER: 07/704,814

FILING DATE: May 23, 1991
APPLICATION NUMBER: 07/763,039

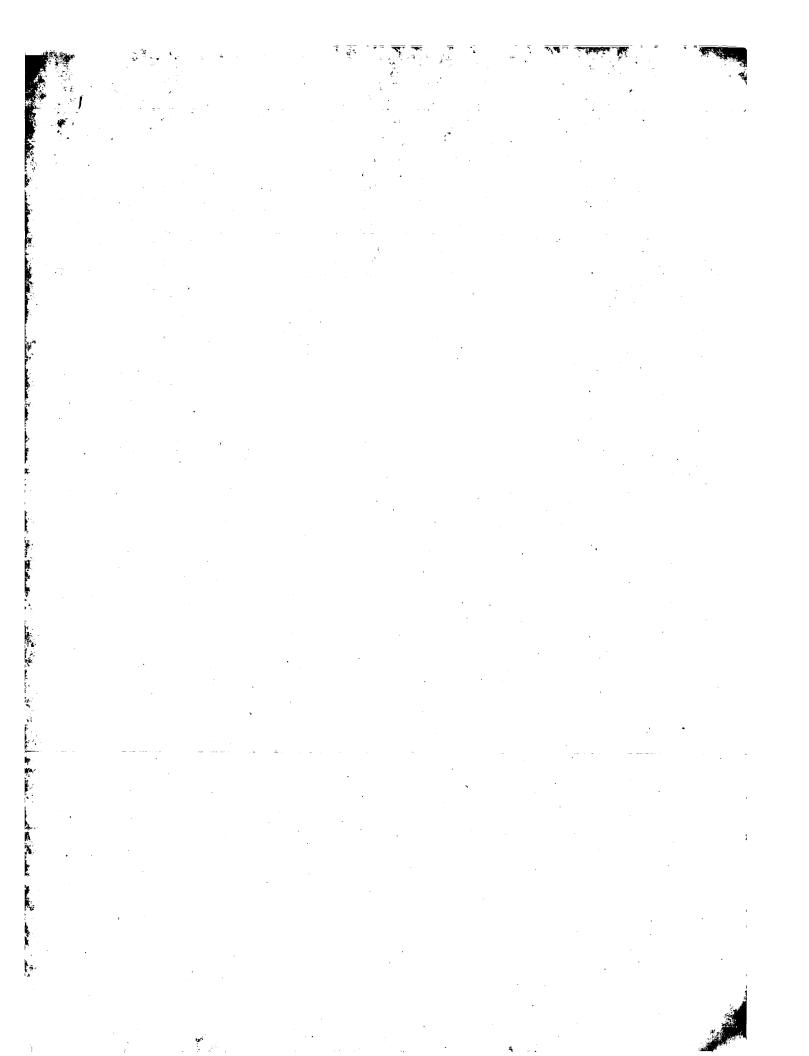
FILING DATE: September 20, 1991
APPLICATION NUMBER: 07/763,039

FILING DATE: September 20, 1991
APPLICATION NUMBER: 07/763,039

FILING DATE: September 20, 1991
APPLICATION NUMBER: 07/763,039
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 38 base pairs
                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 21:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
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MEDIUM TYPE: 3.5" Did
MEDIUM TYPE: Storage
                                                                                                                                                                                            ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STATE: California COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                           PLICANT: WILLIAM JOHN MARTIN
'TLE OF INVENTION: ISOLATED STEALTH VIRUSES
TLE OF INVENTION: AND RELATED VACCINES
MBER OF SEQUENCES: 104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 38 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                         COUNTRY:
                                                                                                                                                                                                                                                                              DDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  11 CTCTTCCTTGAGCACGATACGGTG 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          48.0%; Score 14.4;
1 Similarity 75.0%; Pred. No. 9.
18; Conservative 0; Mismatche
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6 CTCTTCCTGCGGCCTGAAACGGTG 29
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                                                              IBM Compatible
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N: 435
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COUNTRY: USA
ZIP: 20006-1812
ZIP: 20006-1812
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPALIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,037
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: AGLEY, Reid G.
REGISTRATION NUMBER: 30,988
REFERENCE/DOCKET NUMBER: 2803-0002.02
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-0763
TELEPHONE: (202) 887-0763
TELEPAX: (202) 887-0763
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-487-037-8/c
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APPLICATION NUMBER: 08/157,811
FILING DATE: No. 5753488ember 23, 1993
APPLICATION NUMBER: 07/887,502
FILING DATE: May 22, 1992
APPLICATION NUMBER: 07/704,814
FILING DATE: May 23, 1991
APPLICATION NUMBER: 07/763,039
FILING DATE: September 20, 1991
APPLICATION NUMBER: 07/83,039
ATTORNEY/AGBUT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET N
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Best Local
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
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LENGTH: 38 base pairs
TYPE: nucleic acid
STRANUEDNESS: single
TOPOLOGY: linear
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PRIOR APPLICATION DATA: including application
PRIOR APPLICATION DATA: described below:
PRIOR APPLICATION DATA: 08/157,811
1993
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TITLE OF INVENTION: RECOMBINANT AGENTS AFFECTING THROMBOSIS
TUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: FILING DATE: June
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CITY: Washington
STATE: DC
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ET: 2000 Pennsylvania Avenue, NW
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75.0%;
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Pred. No. 9.9e+02;
0; Mismatches 6
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TITLE OF INVENTION: BIALLELIC MARKERS DERIVED FROM GENOMIC REGIONS CARRYING
FILTE OF INVENTION: GENES INVOLVED IN ARACHIDONIC ACID METABOLISM
FILE REFERENCE: GENSET.051CP1
CURRENT PILLING DATE: 2000-08-16
PRIOR APPLICATION NUMBER: US 09/502,330
PRIOR PILLING DATE: 2000-02-11
PRIOR APPLICATION NUMBER: US 60/133,200
PRIOR FILLING DATE: 2000-02-11
PRIOR APPLICATION NUMBER: US 60/133,200
PRIOR FILLING DATE: 1999-05-07
PRIOR PILLING DATE: 1999-03-23
PRIOR PILLING DATE: 1999-03-23
PRIOR PILLING DATE: 1999-03-12
NUMBER OF SEQ ID NOMBER: US 60/119,917
PRIOR PILLING DATE: 1999-02-12
NUMBER OF SEQ ID NOS: 1304
SECTUARE: HOMO SEQ ID NOS: 1304
SECTUARE: HOMO Sepiens
FEATURE:
NAME/KEY: allele
LOCATION: 24
OTHER INFORMATION: 10-375-136: polymorphic base C or T
US-09-641-638-840
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RBSULT 15
US-09-641-638-840/c
; Sequence 840, Application US/09641638
; Patent No. 6432648
; Patent No. 6432648
Search completed: June 25, 2003, 00:24:34 Job time: 46.5378 secs
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                                                                                                                                                                                  Matches
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APPLICANT: Blumenf
APPLICANT: Bouguel
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                                                                                                                                                                             Local Similarity 76.2
nes 16; Conservative
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Chumakov, Ilya
Cohen, Annick
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                                                                                                                                                                           47.3%; Score 14.2; DB 4; Length 47; 76.2%; Pred. No. 1.2e+03; ive 1; Mismatches 4; Indels
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Minimum DB seq length: 0
Maximum DB seq length: 50
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Perfect score:
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                            Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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Gapop 60.0 , Gapext
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30 .
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gb_est1:*
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                                                            REFERENCE
AUTHORS
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ORGANISM
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AZ974736/c
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DEFINITION
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KEYWORDS
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                      TITLE
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Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A., and Wright, D., Weise, R.
Mouse whole genome scaffolding with paired end reads from 10kb Unpublished (2000)
                                                                                                                                               AZ974736
38 bp DNA linear GSS 27-APR-200
2M0249A03R Mouse 10kb plasmid UUGC2M library Mus musculus genomic
clone UUGC2M0249A03 R, DNA sequence.
                                                                                                Mus musculus
                                                                                                            house mouse.
                                                                                                                              AZ974736.1
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14
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AI03193
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AZ784478
AZ843723
BH840628
AZ443723
BH840628
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AU102657
AU102702
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AU102629
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R80650 yu77a07.r1
AZ784478 ZM0027K02
AZ845343 ZM0145B07
AZ443723 1M023BD11
BH840628 KG05923-5
AA902962 0444b09.s
AI1252059 qV39f04.x
AU102657 AU102657
                                                                                                                                                                                                                                                                                                                                            AZG27381 1M0469H09
AZG17991 1M019N23
AZG1999 1M019N23
AZG1999 1M02021011
AU102629
BI685073 603310058
AZG1791 603310058
AZG1791 603310058
AZG1794049 2M0047H08
AZG1794049 2M0047H08
AZG1794049 2M0047H08
AZG1794049 2M0045C07
BH847691 SALK 0558
AZ391153 1M0155101
AZ581757 1M0395F07
AZ792853 2M0045C07
BH847691 SALK 0558
AZ391153 1M0155101
AZ581591 1M0370023
AZ761912 1M0556D02
AZ660460 1M0465023
AZ761912 1M0556D02
AZ660460 1M0432107
BH6625029 1M07102B0
BH640418 1008035600
H41505 ypp68h12 s1
AZ761199 1M0555G21
AZ657409 1M0533M04
AZ8633544 2M0142022
AL754108 AZB16020
AZ657409 1M0533M04
AZ863407 mb70h06 r
ALF6201 s1
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Result No.

Score

Length

DB

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Description

JOURNAL COMMENT

Contact: Robert B. Weiss University of Utah Genome University of Utah Rm. 308, Biomedical Polyme

Polymers Research Bldg.,

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SLC, S Center

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40.0 40.0 40.0 36.7 36.7

38 43 26 33 37

AZ974736 AZ830358 AL767395 AZ942099 BH850686 AZ392980

AZ974736 2M0249A03 AZ830358 2M0109M04 AL767395 Arabidops AZ942099 2M0202C09 BH850686 SALK 0716 AZ392980 1M0155P13

84112, USA Tel: 801 585 5606 Fax: 801 585 7177 Email: ddunn@genet:

Email: ddunn@genetics.utah.edu Insert Length: 10000 Std Error: 0.00

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ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
                                                                                                                                                                                  JOURNAL
COMMENT
                                                                                                                                                                                                                                                                                                                                               REFERENCE
AUTHORS
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AZ830358
LOCUS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DEFINITION
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Best Local (
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                                                                                                                                                                                                                                           Mouse mouse.

Mus musculus

Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,

Eukaryota, Metazoa, Chordata, Sciurognathi, Muridae, Murinae, Mus.

1 (bases 1 to 43)

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,

Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly

M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.

and Wright, D., Weiss, R.

Mouse whole genome scaffolding with paired end reads from 10kb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AZ830358
43 bp DNA linear GSS 20-FEB-2001 2M0109M04R Mouse 10kb plasmid UUGCIM library Mus musculus genomic clone UUGCZM0109M04 R, DNA sequence.
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12; Conserv
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Seq primer: CACACAGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 38.
Location/Qualifiers
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunmogenetics.utah.edu
Insert Length: 10000 Std Error: 0.00
                                                                                                                                     Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AZ830358.1 GI:13000266
                                                                                                                308,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  40.0%; Score 12; DB 17; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note="wettor: PWD2nv; Purified genomic DNA from M. musculus C578L/6J (female) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch oxifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 0.5 kb range using preparative agarces gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
                                                                                              USA
                                                                                                              Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC,
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/clone="UUGC2M0249A03"
/clone_11b="Mouse 10kb plasmid UUGC2M library"
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|strain="C57BL/6J"
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AL767395
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3 TICCICTICCIG 14
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Seg primer: CACACAGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 43.
Location/Qualifiers
Li Y., Rosso,M., Strizhov,N. and Weisshaar,B.
Direct Submission
Submitted (17-JUN-2002) Weisshaar B., Max-Planck-Institut fuer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Arabidopsis thaliana
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Rosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AL767395 46 bp 1 Arabidopsis thaliana T-DNA flanking
                                                                                                                           ROBBO,M., Strizhov,N., Li,Y., Reiss,B., Dekker,K. and Weisshaar,B. A new Arabidopsis thaliana T-DNA mutagenised population (GABI-Kat) for flanking sequence tag based reverse genetics uppublished
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Strizhov, N., Li, Y., Rosso, M., Viehoever, P., Dekker, K., Saedler, H.
                                                                                                                                                                                                                                                                                                                                     and Weisshaar,B.
A pipeline for automated high-throughput generation of FSTs
(flanking sequence tags) from Arabidopsis thaliana T-DNA
transformed lines
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                                                                                                (bases 1 to 46)
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(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polymucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of pWD42 (gi14732114 [gb]AFT1297(72.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptored mouse DNA was annealed to
adaptored vector DNA, and transformed into
chemically-competent E. coli xiilo-Gold (Stratagene) cells
and selected for ampicillin resistance."
7 a 10 c 8 g 18 t
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//ab host="E. Coli strain XL10-Gold, T1-resistant, F-"
//ab host="E. Coli strain XL10-Gold, T1-resistant, F-"
//abc host-"bector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
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'clone="UUGC2M0109M04"
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strain="C57BL/6J"
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                                                source
                                                                                                             Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Brror: 0.
Plate: 0202 row: C column: 09
Seg primer: CGTTCTAAAACGACGGCCAGT
Class: plasmid ends
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                                                                                                                                                                                                                                                                                       University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg.,
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http://www.mpiz-koeln.mpg.de/GABI-Kat/.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Zuechtungsforschung, Carl-von-Linne-Weg 10, Koeln, 50829, Germany This sequence is recovered from the left border of the T-DNA. It indicates an insertion within the locus defined by clone f5k7. The sequences are generated at the MPI for Plant Breeding Research in the context of the GABI-Kat project. GABI-Kat is part of the German
                                                                                                                                                                                                                                                                                                                                                                               plasmid inserts
Unpublished (2000)
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A., and Wright,D.,Weiss,R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus 1 (bases 1 to 26)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2M0202C09F Mouse 10kb plasmid \bar{U}UGC2M library Mus musculus clone UUGC2M0202C09 F, DNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                             Mouse whole genome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mus musculus
                                                                                                                                                                                                                                                                                                                                                               Contact: Robert B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   house mouse
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                                                                                          quality sequence stop: 26.
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/note="PCR was performed on DNA from Arabidopsis thaliana
plants (T1) which were transformed with the T-DNA from
vector pAC161. The lines contain one or more T-DNA
insertions. The DNA fragment(s) resulting from the PCR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     were directly sequenced to determine the genomic sequence flanking the insertion. Sequences displaying significant similarity to the A. thalaina nuclear genome sequence were
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  processed for submission. T-DNA derived sequences were
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                removed"
/strain="C57BL/6J"
                         organism="Mus musculus"
                                                                   Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  strain="Columbia 0"
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Pred. No.
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1.2e+04;
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Meenen,E., Pedersen,T., Reilly
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               w
                                                                                                                                                                                                                                              Contact: Joseph R. Ecker
Salk Institute Genomic Analysis Laboratory (SIGnAL)
The Salk Institute on Biological Studies
10010 N. Torrey Pines Road, La Jolla, CA 92037, USA
Tel: 858 453 4100 x1752
Fax: 858 558 6379
                                                                                                                                                                                                                                                                                                                                                                                                    Arabidopsis Genome 
Unpublished (2001)
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                                                                                                                                             Class: TDNA tagged
                                                                                                                                                                                               This is single pass sequence recovered
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Alonso, J.M., Leisse, T.J.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                Alonso,J.M., Leisse,T.J., Barajas,P., Chen,H., Cheuk,R., Gadrinab,C., Jeske,A., Karnes,M., Kim,C.J., Parker,H., Prednis,L., Shinn,F., Zimmerman,J. and Ecker,J.R.

1. Sequence-Indexed Library of Insertion Mutations in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TICCICITCET 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWN92 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coil X110-Gold (Stratagene) cells and selected for ampicillin resistance."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10
                                                                                                                                                                                                                         ecker@salk.edu
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /clone="UUGC2M0202C09"
/clone_lib="Mouse 10kb plasmid UUGC2M library"
/sex="Female"
/db_xref="taxon:3702"
/clone="SALK_071692.32.90.x"
                                                                                                   1. .33
                                               strain="Columbia
                                                                      organism="Arabidopsis thaliana"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /db_xref="taxon:10090"
                                                                                                                        ocation/Qualifiers
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100.0%;
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                                                                                                                                                                                                  from the left border of
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lines
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Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Eukaryota; Metazoa; Chordata; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 37)
2 (bases 1 to 37)
2 (bases 1 to 37)
2 (bases 1 to 37)
3 (bases 1 to 37)
2 (bases 1 to 37)
3 (bases 1 to 37)
2 (bases 1 to 37)
2 (bases 1 to 37)
2 (bases 2, C, Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.
2 (bases 1 to 37)
2 (bases 1 to 37)
3 (bases 2 to 37)
3 (bases 2 to 37)
4 (bases 2 to 37)
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5 (bases 2 to 37)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3 TICCICTICCT 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0155 row: P column: 13
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       University of Utah Genome Center
University of Utah
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20
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GSS.
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Fax: 801 585 7177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             quality sequence stop: 37.
Location/Qualifiers
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/note="PCR was performed on Arabidopsis thaliana lines
each of which contains one or more TDNA insertion
elements. The resultant fragment for each line was
directly sequenced to determine the genomic sequence at
the site of insertion. Details of the protocols used can
be found at http://signal.salk.edu/tdna_protocols.html"
a 16 c 1 g 11 t
(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative
                                                                                                                                                                                                                                                                                                                                                   /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/note="Vector: PW042nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /clone lib="Mouse 10kb plasmid UUGC1M library"
/sex="Male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /db_xref="taxon:10090"
/clone="UUGC1M0155P13"
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|strain="C57BL/6J"
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Pred. No. 3.8e+04;
0; Mismatches 0;
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AUTHORS
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VERSION
KEYWORDS
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AZ627381
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ORGANISM
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Matches 11
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REFERENCE AUTHORS

COMMENT

TITLE

PEATURES

ACCESSION VERSION KEYWORDS SOURCE

ORGANISM

RESULT 6 AZ392980/c

DEFINITION

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Matches

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Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.

Plate: 0469 row: H column: 09

Seq primer: CGTTGTAAACGACGGCCAGT

Class: plasmid ends

High quality sequence stop: 40.

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mus musculus
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eutoleostomi;
Bukaryota; Metazoa; Chordata; Sciurognathi; Muridae; Musinae; Mus.
1 (bases 1 to 40)
1 (bases 1 to 40)
Bunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.
and Wright, D., Weiss, R.
Mouse whole genome scaffolding with paired end reads from 10kb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  plasmid inserts
(Inpublished (2000)
(Contact: Robert B. Weiss
(University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Rese
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AZ627381.1 GI:11749571
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/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
//note="Vector: PWD42nv; Purified genomic DNA from M.
musculus G57BL/GJ (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polymuclectide kinase. Adaptor oligonuclectides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
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                                                                                                                                                                                                                                                                                                                                                                                                /organism="Mus musculus"
/strain="C57BL/60"
/db_xref="taxon:1090"
/clone="UUGCIM0469H09"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
                                                                                                                                                                                                                                                                                                                                                                             sex="Male"
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100.0%; Pr
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AZ419099/c
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Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       High
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Erry
Plate: 0195 row: N column: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,B., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Tel: 801 585 5606
Fax: 801 585 7177
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
1. (bases 1 to 43)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Plate: 0195 row: N column: 23
Seq primer: CGTTGTAAAACGACGGCCAGT
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AZ419099.1 GI:10543112
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clone UUGC1M0195N23 F, DNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Unpublished
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                                                                                                                                                                                                                                                                                                                                                                                                                                   quality sequence stop: 43.
Location/Qualifiers
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             was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor Oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel
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                                                                                                                                                                                          /note="Vector: PWD42nv; Purified genom: musculus C57BL/6J (male) was obtained Laboratory Mouse DNA Resource
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electrophoresis. Vector DNA was prepared from a derivative
                                                                                                                                                                                                                                    /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/note="Vector: PWD42nv; Purified genomic DNA from M.
                                                                                                                                                                                                                                                                                                                          /organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0195N23"
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100.0%;
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Pred. No.
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Mouse whole genome scaffolding with paired end reads from 10kb
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Unpublished (2000)
Contact: Robert B.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error:
Plate: 0203 row: A column: 16
Seq primer: CGTTGTAAAACGACGGCCAGT
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University of Utah
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         High quality sequence stop: 45.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tel: 801 585 5606
Fax: 801 585 7177
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1M0203A16F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0203A16 F, DNA sequence.
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Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA (http://www.jax.org/resources/documents/dnares/). The SNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative
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                                                                                                                                                                                                                                  /note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson
                                                                                                                                                                                                                                                                                                                                                 /strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0203A16"
                                                                                                                                                                                                                                                       'lab_host="E. Coli strain XL10-Gold, T1-resistant, F
'note="Vector: PWD42nv; Purified genomic DNA from M.
                                                                                                                                                                                                                                                                                                                                                                                                                    organism="Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ocation/Qualifiers
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                                                                                                                                                                                                                                                                                                                          clone_lib="Mouse 10kb plasmid UUGC1M library"
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Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Contact: Robert Strausberg, Ph.D.
Email: cgapbs-remail.nih.gov
Tissue Procurement: Life Technologies, Inc.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
plate: LLAM11479 row: e column: 04
High quality sequence stop: 46.
Location/Qualifiers
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleosto
Bukaryota; Metazoa; Chordata; Catarrhini; Hominidae; Homo.

1 (bases 1 to 46)

NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
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                                                                                                                                                                                                           /note-"Organ: brain; Vector: pCMV-SPORT6; Site 1: Not1; Site 2: EcoRV (destroyed); RNA source anonymous pool of 6 male brains, age range 23-27 yo. Library is oligo-dT primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.5 kb, insert size range 1-3 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 019. Note:
                                                                                                                                                                                                                                                                                                                                                                    /clone="IMAGE:5191659"
/clone_lib="NIH MGC_114"
/lab_host="DH10B"
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100.0%; Pr
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Eukaryota; Metazoa; Chordata; Sciurognathi; Muridae; Murinae; Mus.

Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.

1 (bases 1 to 50)

National Institutes of Health, Mammalian Gene Collection (MGC)

Unpublished (1999)

L. Contact: Robert Strausberg, Ph.D.

Email: cgapbs-r@mail.nih.gov

Tissue Procurement: Jeffrey Green M.D.

CDNA Library Preparation: Life Technologies, Inc.

CDNA Library Preparation: Life Technologies, Inc.

CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)

DNA Sequencing by: Incyte Genomics, Inc.

Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Department of Virology
Institute of Medical Science, University of Tokyo
1nstitute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzukigims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa.K., Maruyama,K., Suyama,A. and Sugano
,S. Construction and characterization of a full length-enriched and
a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
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1 (bases 1 to 50)
Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Seee,J., Hat Y., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S.
Y., Nakamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites
BMBO Rep. 2 (5), 388-393 (2001)
                                                                                                                                                                                                                                                                                                                                                                                                           mRNA sequence.
BI685073
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603310058F1 NCI_CGAP_Mam6
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AU102629 Sugano Homo sapiens
CAS04232, mRNA sequence.
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AU102629.1 GI:13552150
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/db_xref="taxon:9606"
/clone="Ch504232"
/clone=1ib="Sugano Homo sapiens cDNA library"
/note="Differential display comparison of unt.
dimethylfumarate treated U37 cells"
a 10 c 18 g 9 t
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s musculus cDNA clone IMAGE:5345990 5',
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Plate: LLAM11879 row
High quality sequence
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                                                                                                                                                                                                                   Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0
Plate: 0290 row: L column: 08
Seq primer: CACACAGGAAACAGCTATGACC
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1M0290L08R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0290L08 R, DNA sequence.
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AZ474246.1 GI:10632371
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10 c 17 g 10 t
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/clone=lib="NCI CGAP Mam6"
/sex="female, virgin"
/tissue_type="infiltrating ductal carcinoma"
/dev_stage="5 months"
/lab_host="DH10B"
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                                                                                                               /organism="Mus musculus"
/strain="C57BL/6J"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, /note="Vector: PWD42nv; Purified genomic DNA from M
                                                                           /db_xref="taxon:10090"
/clone="UUGC1M0290L08"
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                                        sex="Male"
                                                     clone_lib="Mouse 10kb plasmid UUGC1M library"
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p: 50.
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AZ630179
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ORGANISM
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                                                                                                                                                                                                                    FEATURES
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Dunn,D., Aoyagi,A., Barber,M., Deacce..., Pedersen,T., Rell Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Rell.M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4 GGCCTGAAAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10;
                                                                                                                                                                                                                                                                                 Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: (
Plate: 0483 row: B column: 10
Seq primer: CACACAGGAAACAGCTATGACC
                                                                                                                                                                                                                                                                                                                                                                                                                                                 University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Unpublished (2000)
Contact: Robert B.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1M0483B10R Mouse 10kb plasmid UUGC1M clone UUGC1M0483B10 R, DNA sequence.
                                                                                                                                                                                                                                                                                                                                                                               Tel: 801 585 5606
Fax: 801 585 7177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             plasmid inserts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mouse whole genome scaffolding with paired end reads from 10kb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AZ630179.1
                                                                                                                                                                                                                                       High quality sequence
                                                                                                                                                                                                                                                                Class: plasmid ends
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                                                                                                                                                                                                                                                                                                                                                                                                                                   USA
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                                                                /organism="Mus musculus"
/strain="C57BL/6J"
/db xref="taxon:10090"
/clone="UUGC1M0483B10"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
                                                                                                                                                                                                            ity sequence stop:
Location/Qualifiers
                                                   sex="Male"
lab_host="E. Coli strain XL10-Gold, T1-resistant, note="Vector: PWD42nv; Purified genomic DNA from i
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GI:11752369
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100.0%; Pred. No. 1.
tive 0; Mismatches
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Manner R. Dedersen, T., Reilly
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/note="Vector:

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Query Match
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Matches 10
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                                                                                                                                                                                                                                                                                                                                                                                            Tel: 314 286 1800
Fax: 314 286 1810
Email: es@watson.wustl.edu
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           N92455
N924563N01.81 Soares fetal_lung NBHLISW Homo Sapiens cDNA clone IMAGE:308305 3' similar to gb:X06523 cdan MITOCHONDRIAL 60S RIBOSOMAL PROTEIN L3 (HUMAN);, mRNA Sequence.
                                                                                                                                                                                                                                                                                       Trace considered overall poor quality
Insert Length: 866 Std Error: 0.00
Seq primer: mob.REGA+ET
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Eukaryota; M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    97044478
Contact: Wilson RK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota, Metazoa, Chorddta, Craniata, Vertebrata, Euteleostomi,
Mammalla, Eutheria, Primates, Catarrhini, Hominidae, Homo.
1. (bases 1 to 28)
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                                                                                                                                                                                                                               quality sequence stop: 1.
Location/Qualifiers
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'clone="IMAGE:308305"
'clone_lib="Soares_fetal_lung_NbHL19W"
'dev_stage="19 weeks"
                                                                                                    organism="Homo sapiens"

ob_xref="GDB:1251718"

b_xref="taxon:9606"
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RESULT 15 N92455 LOCUS

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BASE COUNT ORIGIN

KEYWORDS SOURCE ACCESSION VERSION

ORGANISM

REFERENCE AUTHORS

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FEATURES source

Query Match Best Local S Matches 10 10; Similarity 100 10; Conservative GTTCCTCTTC 11 GTTCCTCTTC 12 33.3%; Score 10; DB 14; 1 100.0%; Pred. No. 1.3e+05; tive 0; Mismatches 0; Length 28; Indels 0; Gaps

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Search completed: June 23, 2003, 10:10:14 Job time : 1554.89 secs

BASE COUNT ORIGIN

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Minimum DB seq length: 0
Maximum DB seq length: 50
Result
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Gapop_60.0 , Gapext 60.0
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Copyright (c) 1993 - 2003 Compugen Ltd.
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                                                                                                                                                                                                                                      _6/ptodata/1/pna/US09_NEW_COMB.seq:*
_6/ptodata/1/pna/US09_NEW_COMB.seq2:*
_6/ptodata/1/pna/US09_NEW_COMB.seq3:*
_6/ptodata/1/pna/US10_NEW_COMB.seq3:*
_6/ptodata/1/pna/US10_NEW_COMB.seq3:*
_6/ptodata/1/pna/US10_NEW_COMB.seq3:*
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_6/ptodata/1/pna/US60_NEW_COMB.seq2:*
_6/ptodata/1/pna/US60_NEW_COMB.seq3:*
                                       SUMMARIES
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| o i | ъ | 18 | 60.0 | 19 | ١ | PCT-US03-04088-26 | Sequence |
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| | u | 13 | 43.3 | 20 | თ | US-09-905-688-11 | Sequence |
| a | 4. | 13 | 43.3 | 20 | 9 | US-10-310-188-34029 | Sequence |
| | v | 13 | 43.3 | 21 | 4 | US-08-825-746-11 | Sequence |
| ი | σ | 13 | 43.3 | 25 | 7 | US-09-954-445A-45573 | Sequence |
| | 7 | 13 | 43.3 | 25 | 9 | US-10-355-577-198249 | Sequence |
| | 8 | 13 | 43.3 | 25 | 9 | US-10-355-577-198680 | Sequence |
| ი | 9 | 13 | 43.3 | 25 | 9 | US-10-355-577-223567 | Sequence |
| | 10 | 13 | 43.3 | 25 | 9 | US-10-355-577-364423 | Sequence |
| | 11 | 13 | 43.3 | 25 | 9 | US-10-355-577-422449 | Sequence |
| | 12 | 13 | 43.3 | 25 | 9 | US-10-355-577-498091 | Seguence |
| | 13 | 13 | 43.3 | 25 | 12 | US-60-417-190-13946 | Sequence 13946 |
| | 14 | 13 | 43.3 | 25 | 12 | US-60-417-190-13947 | Sequence 13947 |
| | 15 | 13 | 43.3 | 25 | 12 | US-60-417-190-48932 | Sequence 48932 |
| | 16 | 13 | 43.3 | 25 | 12 | US-60-417-190-48933 | Sequence |
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| | 18 | 13 | 43.3 | 25 | 12 | US-60-417-190-48940 | Sequence |
| a | 19 | 13 | 43.3 | 25 | 12 | US-60-427-808-172999 | Sequence |
| | 20 | 13 | 43.3 | 25 | 12 | US-60-427-808-218754 | Sequence |

Query Match 60.0%; Score 18; DB 1; Length 19; Best Local Similarity 100.0%; Pred. No. 8.7; Matches 18; Conservative 0; Mismatches 0; Indels

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| 5 | 44 | 43 | 42 | 41 | 0 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 22 | |
| 12 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | |
| 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | | 43.3 | | 43.3 | 43.3 | 43.3 | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 20 | 19 | 15 | 5 | 50 | 50 | 50 | 29 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | |
| 9 | ۲ | 9 | 10 | 10 | φ | v | Ŋ | φ | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |
| US-10-303-778-15311 | PCT-US02-24310-154 | US-10-293-338-4597 | US-10-367-892-19280 | US-10-367-892-6314 | US-10-325-899-3869 | US-09-749-280B-7801 | US-09-749-280B-1268 | US-10-294-719-499 | US-60-470-475-98981 | US-60-470-475-73706 | US-60-470-475-61272 | US-60-470-475-61267 | US-60-470-475-57853 | US-60-470-475-55703 | US-60-470-475-51738 | US-60-470-475-51737 | US-60-427-836-683575 | US-60-427-836-599225 | US-60-427-836-549003 | US-60-427-836-455883 | US-60-427-836-440978 | US-60-427-808-564830 | US-60-427-808-469548 | |
| 1531 | Sequence 154, App | Sequence 4597, Ap | Seguence 19280, A | Sequence 6314, Ap | Sequence 3869, Ap | Sequence 7801, Ap | Sequence 1268, Ap | Sequence 499, App | Seguence 98981, A | Sequence 73706, A | Sequence 61272, A | Sequence 61267, A | Sequence 57853, A | Sequence 55703, A | Sequence 51738, A | Sequence 51737, A | Sequence 683575, | Sequence 599225, | Sequence 549003, | Seguence 455883, | Sequence 440978, | Sequence 564830, | Sequence 469548, | 1 |

ALIGNMENTS

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; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense; OTHER INFORMATION: region
PCT-US03-04088-26
                                                                                                                                                                                                                                                                                                           PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
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                                                                                                                                                         SOFTWARE: PatentIn version 3.2
SEQ ID NO 26
LENGTH: 19
TYPE: RNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 26, Application PC/TUS0304088 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene TITLE OF INVENTION: Expression Using Short Interfering RNA (sina)

FILE REFERENCE: 02-708-A (400/080)

CURRENT APPLICATION NUMBER: PCT/US03/04088

CURRENT FILING DATE: 2003-04-28

PRIOR APPLICATION NUMBER: US 60/356,600

PRIOR APPLICATION NUMBER: US 60/358,580
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/386,782
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
                                                                                                                                                                                                                                                                                    NUMBER OF SEQ ID NOS: 626
                                                                                                   FEATURE:
                                                                                                                       ORGANISM: Artificial
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19

TCTTCCTGCGGCCTGAAA 2

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APPLICANT: NANOZYME FIGURACIA, 1100.

APPLICANT: Beigelman, James
APPLICANT: Beigelman, Leonid

TITLE OF INVENTION: RAN Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)

FILE REFERENCE: 02-708-A (400/080)

CURRENT APPLICATION NUMBER: US 60/396,600

PRIOR FILING DATE: 2002-07-17

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2002-03-11

PRIOR APPLICATION NUMBER: US 60/363,124

PRIOR APPLICATION NUMBER: US 60/363,124

PRIOR APPLICATION NUMBER: US 60/363,782

PRIOR PILING DATE: 2002-03-11

PRIOR APPLICATION NUMBER: US 60/367,782

PRIOR PILING DATE: 2002-08-29

PRIOR PILING DATE: 2002-08-29

PRIOR APPLICATION NUMBER: US 60/406,784

PRIOR APPLICATION NUMBER: US 60/406,378

PRIOR APPLICATION NUMBER: US 60/406,378

PRIOR APPLICATION NUMBER: US 60/406,293

PRIOR TILING DATE: 2002-09-05

PRIOR TILING DATE: 2002-09-09

PRIOR APPLICATION NUMBER: US 60/409,293

PRIOR FILING DATE: 2002-09-09

PRIOR PILING DATE: 2002-09-09

PRIOR PILING DATE: 2002-09-09

PRIOR PILING DATE: 2003-01-15

**MINATERY OF GROWN NUMBER: US 60/440,129

**PRIOR PILING DATE: 2003-01-15
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US-09-905-688-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: region
PCT-US03-04088-290
                                                                                                                                                                                             APPLICANT: CZERNIAK, BOGDAN
TITLE OF INVENTION: METHODS OF DETECTING AND DIAGNOSING
TITLE OF INVENTION: IDENTIFYING NEOPLASTIC PROGRESSION
FILE REFERENCE: UTSC::663US
CURRENT APPLICATION NUMBER: US/09/905,688
CURRENT FILING DATE: 2000-02-18
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PATENTIN VET: 2.1
SEQ ID NO 11
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
SEQ ID NO 290
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 11, Application US/09905688
GENERAL INFORMATION:
OTHER INFORMATION: Description of Artificial Sequence: ETHER INFORMATION: Primer -09-905,688-11
                                                                                                                 ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Artificial
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7 TCTTCCTGCGGCCTGAAA 24
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72.2%;
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Pred. No.
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                                                   Synthetic
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APPLICANT: Nigro, Janice M.
APPLICANT: Pearon, Eric
APPLICANT: Nigro, Janice M.
ITILE OF INVENTION: Methods for Restoring Wild-Type p53 Gene Function
FILE REFERENCE: 001107.05677
CURRENT FILLOATION UNMBER: US/08/825,746
CURRENT FILLING DATE: 1997-04-03
PRIOR APPLICATION NUMBER: 08/035,366
PRIOR FILING DATE: 1993-03-22
PRIOR APPLICATION NUMBER: 07/860,758
PRIOR FILING DATE: 1992-03-21
PRIOR APPLICATION NUMBER: 07/928,661
PRIOR FILING DATE: 1992-03-21
PRIOR APPLICATION NUMBER: 07/928,661
PRIOR FILING DATE: 1992-08-17
PRIOR APPLICATION NUMBER: 07/330,566
PRIOR FILING DATE: 1989-03-29
NUMBER OF SEQ ID NOS: 17
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 11
LENGTH: 21
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 4
US-10-310-188-34029/c
US-10-310-188-34029/ Application US/10310188
GENERAL INFORMATION:
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Best Local S
Matches 13
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CURRENT FILING DATE: 2002-12-19
NUMBER OF SEQ ID NOS: 86641
SOFTWARE: Patentin version 3.1
SEQ ID NO 34029
LENGTH: 20
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Best Local S
Matches 13
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Query Match 43.3%; Score 13; D8 4; L4
Best Local Similarity 100.0%; Pred. No. 3.9e+03;
Matches 13; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENE TITLE OF INVENTION: USES THEREOF FILE REFERENCE: 47487
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Vogelstein, Bert
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                                                  Length 21;
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                                                                                                                                                                                                                      RESULT 8
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Best Local S
Matches 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 198249, Application US/1035577
GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 198249
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: 60/233,620
PRIOR FILING DATE: 2000-09-18
NUMBER OF SEQ ID NOS: 131820
SOPTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 45573
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listii
SEQ ID NO 198680
LENGTH: 25
                                                                                                                       Sequence 198680, Application US/10355577
GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-Ul33
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Best Local
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CURRENT APPLICATION NUMBER: US/09/954,445A
CURRENT FILING DATE: 2000-09-17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
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                                  Sequence Listing Generator V 1.1
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RESULT 11
US-10-355-577-422449
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; ORGANISM: Homo sapien
US-10-355-577-223567
                                                                                                                                                                                                                                                                                      ; ORGANISM: Homo sapien US-10-355-577-364423
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                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequen
SEQ ID NO 364423
LENGTH: 25
Sequence 422449, Application US/10355577

GENERAL INFORMATION:
APPLICANT: Mitchann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577

CURRENT FILING DATE: 2003-01-31
                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 223567
LENGTH: 25
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Best Local Similarity
Matches 13; Conserv
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GENERAL INFORMATION
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 364423,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Mittmann, Michael TITLE OF INVENTION: Methods
                                                                                                                                                                                                                                                                                                                    TYPE: DNA
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US-10-355-577-498091
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RESULT 14
US-60-417-190-13947
                                                                                                                                                                                                                 ; TYPE: DNA
; ORGANISM: Homo sapien
US-60-417-190-13946
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US-60-417-190-13946
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; ORGANISM: Homo sapien
US-10-355-577-498091
                                                                                                                                            Query Match
Best Local S
Matches 13
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APPLICANT: Hejime Matsuzaki
APPLICANT: Mei-Mei Shen
TITLE OF INVENTION: Methods for Genotyping Polymorphisms in
FILE REFERENCE: 3522
CURRENT APPLICATION NUMBER: US/60/417,190
CURRENT FILING DATE: 2002-10-02
RUMBER OF SEQ ID NOS: 122930
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 13946
LENGTH: 25
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TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
CURRENT ESPLICATION NUMBER: US/10/355,577
CURRENT ETLING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 498091
LENGTH: 25
TYPE: NNS
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SOFTWARE: Microarray E
SEQ ID NO 422449
LENGTH: 25
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Local Similarity
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Similarity 100.0%; Pred. No.
13; Conservative 0; Mismatc
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Probe Sequence Listing Generator V 1.1
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; Pred. No. 3.9e+03
0; Mismatches 0
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3.9e+03;
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APPLICANT: Giulia Kennedy
APPLICANT: Hajime Matsuzaki
APPLICANT: Hajime Matsuzaki
APPLICANT: Hajime Matsuzaki
APPLICANT: Majime Matsuzaki
APPLICANT: Majime Matsuzaki
APPLICANT: Majime Mathods for Genotyping Polymorphisms in Humans
TITLE REPERBUNG: 3522
FILE REPERBUNG: 3522
CURRENT APPLICATION NUMBER: US/60/417,190
CURRENT FILING DATE: 2002-10-02
INUMBER OF SEQ ID NOS: 122930
SUPTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 13947
LENGTH: 25
TYPE: DNA
ORGANISM: Homo sapien
US-60-417-190-13947
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                                                                                                                                                                                                                                                                        ; TYPE: DNA; Homo sapien; ORGANISM: Homo sapien US-60-417-190-48932
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US-60-417-190-48932
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Search completed: June 23, 2003, 19:12:10 Job time: 1319.89 secs
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GENERAL INFORMATION:
APPLICANT: Giulia Kennedy
APPLICANT: Hajine Matsuzaki
APPLICANT: Hajine Matsuzaki
APPLICANT: Hajine Matsuzaki
APPLICANT: Meinej Shen
TITLE OF INVENTION: Methods for Genotyping Polymorphisms in Humans
FILE REFFERENCE: 3522
CURRENT APPLICATION NUMBER: US/60/417,190
CURRENT FILING DATE: 2002-10-02
NUMBER OF SEQ ID NOS: 122930
SOPTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 48932
LENGTH: 25
TYPE: DNA
TYPE: DNA
TYPE: DNA
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Local Similarity 100.0%; Pred. No. 3.9e+03;
hes 13; Conservative 0; Mismatches 0;
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Minimum DB seq length: 0
Maximum DB seq length: 50
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/cgn2_6/ptodata/2/pna/US6031_COMB.seq:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| 21 | 20 | c 19 | c 18 | 17 | 16 | 15 | c 14 | c 13 | c 12 | c 11 | c 10 | c 9 | ი ი | 7 | 6 | ហ | 4. | c 3 | 2 | ۳ | Result No. |
|----------------------|----------------------|---------------------|---------------------|-------------------|-------------------|-------------------|-------------------|----------------------|---------------------|----------------------|---------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-----------------------|
| 13 | 13 | 13 | 13 | 13 | 13 | 13 | 14 | . 14 | 14 | 14 | 14 | 14 | 14 | 20 | 20 | 20 | 20 | 30 | 30 | 30 | Score |
| 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 66.7 | 66.7 | 66.7 | 66.7 | 100.0 | 100.0 | 100.0 | Query Match Length |
| 25 | 25 | 25 | 25 | 21 | 20 | 20 | 29 | 25 | 25 | 25 | 25 | 25 | 25 | 20 | 20 | 20 | 20 | 31 | 30 | 30 | ength I |
| 79 | 79 | 67 | 36 | 41 | 41 | - | 13 | 67 | 67 | 36 | 36 | 17 | 17 | 11 | 11 | ۲ | _ | 9 | 11 | 1 | BG |
| US-60-353-987-198680 | US-60-353-987-198249 | US-60-233-620-45573 | US-09-953-115-27778 | US-10-157-058-11 | US-10-167-241-11 | PCT-US02-18427-11 | US-08-913-665-14 | US-60-234-017-208542 | US-60-234-017-52883 | US-09-956-584-237631 | US-09-956-584-18655 | US-09-396-196G-119937 | US-09-396-196F-119937 | US-08-770-564A-15 | US-08-770-564A-3 | PCT-US97-23619-27 | PCT-US97-23619-3 | US-08-521-634-17 | US-08-770-564A-2 | PCT-US97-23619-2 | ID |
| | Sequence 198249, | Sequence 45573, A | Sequence 27778, A | Sequence 11, Appl | Sequence 11, Appl | Sequence 11, Appl | Sequence 14, Appl | Sequence 208542, | Sequence 52883, A | Sequence 237631, | Sequence 18655, A | Sequence 119937, | Sequence 119937, | Sequence 15, Appl | Sequence 3, Appli | Sequence 27, Appl | Sequence 3, Appli | Sequence 17, Appl | Sequence 2, Appli | Sequence 2, Appli | Description |

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Sequence 15, Appl
Sequence 9, Appli
Sequence 3869, Ap
Sequence 3869, Ap
Sequence 3869, Ap
Sequence 4, Appli
Sequence 4, Appli
Sequence 14, Appli
Sequence 6314, Ap
Sequence 19280, A
Sequence 19280, A
Sequence 19280, A
Sequence 1855, Ap
Sequence 1021, Ap
Sequence 21, Appl
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COMPUTER READABLE FORM:
MEDIUM TYPE: FIDDPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIAN PC-DOS/MS-DOS
SOFTWARE: PATENTIAN POLICATION NUMBER: US-OBC-1996
CIMERNY APPLICATION NUMBER: US-OBC-1996
CIASSIFICATION NUMBER: US-OBC-1996
CIASSIFICATION NUMBER: US-OBC-1996
CIASSIFICATION INFORMATION:
NAME: SCOTELLA, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002200US
TELEPHONE: 415-576-0300
ITELEPHONE: 415-576-0300
ITELEPHONE: 415-576-0300
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-770-564A-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 2
US-08-770-564A-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; LOCATION: 1..30
; OTHER INFORMATION: /note= "oligo
PCT-US97-23619-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 2, Application US/08770564A
GENERAL INFORMATION:
APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:.
CORRESPONDENCE ADDRESS:
                                                                              Query Match
Best Local S
Matches 30
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Query Match
100.0%; Score 30; DB 1;
Best Local Similarity 100.0%; Pred. No. 2.9e-05;
Matches 30; Conservative o; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENOTH: 30 base pairs
TYPE: nucleic acid
STRANDEDWESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco
STATE: CA
                                                                              ch 100.0%; Score 30; DI Similarity 100.0%; Pred. No. 2: 30; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 CGTTCCTCTTCCTGCGGCCTGAAACGGTGA 30
                          CGTTCCTCTTCCTGCGGCCTGAAACGGTGA 30
cerrecreceecercanaceerea 30
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                                                                                                    DB 11;
2.9e-05;
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RESULT 1 PCT-US97-23619-2

ALIGNMENTS

Sequence 2, Application PC/TUS9723619
GENERAL INFORMATION:
APPLICANT:

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26 US-09-671-346-9
27 US-10-131-827-3869
28 US-10-131-831-3869
29 US-10-131-831-3869
20 US-10-131-831-3869
20 US-10-131-831-3869
20 US-10-2361-14
20 US-08-770-564A-4
20 US-10-25940-19280
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25 US-10-227-567-1021
25 US-10-227-563-19280
25 US-10-227-567-1985
25 US-10-2198-452A-3651
25 US-09-366-483B-21

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US-60-353-987-223567 US-60-353-987-364423 US-60-353-987-422449 US-60-353-987-428091 US-00-353-987-498091

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COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
COMPUTER: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FILING DATE: Not yet assigned
CLASSIFICATION DATA:
PAPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
PRIOR APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 15389-27PC
TELEPAN: (415) 576-0300
INFORMATION FOR SEQ ID NO: 2:
SECURMACTER TITCS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: Methods for Detecting and ITTITLE OF INVENTION: ANA Component of Telomerase NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS: ADDRESSE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor STATE: California
   SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Methods for Detecting and Inhibiting RNA Component of Telomerase
RESULT 3
US-08-521-634-17/c
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Sequence 17, Application US/08521634 GENERAL INFORMATION:

Villeponteau,

Bryant

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PCT-US97-23619-3
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                                                                                                                                            Sequence 3, Application PC/TUS9723619 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: 15 MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy (
COMPUTER: IBM PC com
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Tower, Suite 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
PRIOR APPLICATION UMBER: US 08/330,123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US 08/482,115
FILING DATE: 7-JUN-1995
FRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/472,802
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS
 TITLE OF INVENTION:
                                                                                          APPLICANT:
                                                                                                          APPLICANT:
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                                                       APPLICANT:
                                                                         PPLICANT:
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                             STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Dunn, Tracy J.
REGISTRATION NUMBER: 34,587
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PLICANT: Andrews, William Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US 08/272,102
FILING DATE: 7-JUL-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 31-AUG-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                       30; Conservative
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Punk, Walter
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                                                                                                                                                                                                                                                                                                                                                                                                            DNA (oligonucleotide)
                                                                                                                                                                                                                                                                                                                                                                                                                                           single
                                                                                                                                                                                                                                                                                                                   100.0%; Score 30; DB 9;
100.0%; Pred. No. 2.8e-05;
tive 0; Mismatches 0;
Methods for Detecting and Inhibiting the RNA Component of Telomerase
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PCT-US97-23619-27
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                                                                                                                                                                                                                                                                              Sequence 27, Applicat GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: US 08///-
PILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,f
PILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
NAME: Storella, John R.
1538
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARR: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION UMBER: PCT/US97/23619
FILING DATE: Not yet assigned
                                                                                                           TITLE OF INVENTION: METITLE OF INVENTION: RN NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSE: Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION:
PRIOR APPLICATION DATA:
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELECOMMUNICATION INFORMATION: TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                                                                                  APPLICANT:
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LOCATION:
                                                                              STREET:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER:
                           COUNTRY:
                                                              CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY:
                                                                                             ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS:
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                 94111-3834
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                                              California
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                                                                              IE: Townsend and Townsend
Two Embarcadero Center, I
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                               USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%;
                                                                                                                                  RNA
29
                                                                                                                                                Methods for Detecting and Inhibiting the RNA Component of Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note= "oligo 14ab"
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                                                                                                                                              Component of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 20; DB 1; 
; Pred. No. 4.2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .5389-27PC
                                                                              d and Crew LLP
Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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MEDIUM TYPE: Flo COMPUTER: IBM PC OPERATING SYSTEM: SOFTWARF:

Floppy disk M PC compatible TEM: PC-DOS/MS-DOS

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US-08-770-564A-3
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, LOCATION: 1..20
, OTHER INFORMATION: /note= "oligo 14bc"
PCT-US97-23619-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (415) 576-030
NFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPHONE: (415)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: PatentIn Release #1.0, Version #1.30 CUREBUT APPLICATION DATA: APPLICATION INMEER: PCT/US97/23619 FILING DATE: Not yet assigned
                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                 SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
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                                                         TTORNEY/AGENT INFORMATION:
                                                                         APPLICATION NUMBER: US/08/770,564A FILING DATE: 20-DEC-1996 CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                STREET: 1** ____CONTY: San Francisco
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                                                                                                                                                                                                                                                              COUNTRY: 1
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TYPE: nucleic acid
STRANDEDNESS: single
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 01:
                                                                                                                                                                                                                                                                                                                                                          DDRESSEE:
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DDRESSEE: TOWNSEND and CREW LLP
TREET: Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                      E OF INVENTION: Inhibitory Polynucleorides Directed E OF INVENTION: Against the RNA Component of Telomerase ER OF SEQUENCES: 15
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20; Conservative
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Pruzan, Ron
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015389-002200US
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RESULT 8

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US-08-770-564A-15
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                                                                                                                                          ; STRANDEDNESS: sit; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-770-564A-15
                                                                                                                                                                                                            TELEPHONE: 415-576-0200
TELEPAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
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Local Similarity
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Best Local :
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INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                    MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PACENTIN Release #1.0, \
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,5641
FILING DATE: 20-DEC-1996
CLASSIFICATION: 514
CCLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION: NAME: Storella, John R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
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APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
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ADDRESSE: TOMNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
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                                                                                                                                                                                                                                                                                                                                                    NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 01
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nucleic acid
NDEDNESS: single
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CCTGCGGCCTGAAACGGTGA 20
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Pruzan, Ron
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                                                               66.7%; Score 20; DB 11; Length 20; 100.0%; Pred. No. 4.2; tive 0; Mismatches 0; Indels
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US-09-396-196F-119937/c

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RESULT 10

US-09-956-584-18655/c

Sequence 18655, Application US/09956584

; GENERAL INFORMATION:

APPLICANT: Mittman, Michael

TITLE OF INVENTION: Methods of Genetic Analysis of Mus Musculus

FILE REFERENCE: 3115.1

CURRENT APPLICATION NUMBER: US/09/956,584

; CURRENT FILING DATE: 2001-09-19

PRIOR APPLICATION NUMBER: 60/234,017

PRIOR FILING DATE: 2000-09-20

"""PRIOR FILING DATE: 2000-09-20
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PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 119937
LENCTU. 25
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Best Local Similarity
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CURRENT FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
PRIOR FILING DATE: 1998-09-17
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CURRENT APPLICATION NUMBER: US/09/396,196F
CURRENT FILING DATE: 2001-09-15
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TITLE OF INVENTION: Methods of Genetic Analysis
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PPLICANT: Affymetrix, Inc.
ITLE OF INVENTION: Methods of Genetic Analysis
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Pred. No.
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CURRENT FILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 60/234,017
PRIOR FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605887
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 237631
LENGTH: 25
                                                                     Query Match
Best Local S
                                                                                                                                                                                                                                                                                                                                                                Sequence 52883, Application US/60234017 GENERAL INFORMATION:
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SEQ ID NO 52883
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APPLICANT: Mittman,
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                                                                                                                                  TYPE: DNA
ORGANISM: MUS mUSCULUS
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER:
                                                                                                                                                                                                                                       FILE REFERENCE: 3115
CURRENT APPLICATION NUMBER: US/60/234,017
CURRENT FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605887
                                                                                                                                                                                                                                                                                                   APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
TITLE OF INVENTION: musculus
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                                                                        Similarity
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                            CGTTCCTCTTCCTG 14
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                                                       46.7%; Score 14; DB
100.0%; Pred. No. 5.:
tive 0; Mismatches
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; Pred. No
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                                                                       DB 67; 1
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. 5.2e+03;
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ESULT 13 S-60-234-017-208542/c

ENERAL INFORMATION

Application US/60234017

TILE OF INVENTION: Methods of Genetic Analysis of Mus

Affymetrix,

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ORGANISM: Mus musculus
PUBLICATION INFORMATION:
DATHARSE ACCESSION NUMBER: GenBank AI465630
US-60-234-017-208542
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
""" hes 14; Conserv
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CURRENT FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605887
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 208442
LENGTH: 25
                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IEM PC compatible

COMPUTER: PR PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/913,665

FILING DATE: 19-SEP-1997

CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:

NAME: Haley Impage
                                                           TELEFAX: 212-596-9090
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 29 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           08-913-665-14/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ENERAL INFORMATION
                                                                                                                                                                     NAME: Haley, James F.
REGISTRATION NUMBER: 27,794
REFERNCE/DOCKET NUMBER: SH
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-596-9000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    JICANT: Sakaguchi, Gaku
JE OF INVENTION: DNA MOLECULE RELATING TO SUPPRESSION OF
JE OF INVENTION: GENE EXPRESSION AND NOVEL PROTEIN
JER OF SEQUENCES: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   24 GCCTGAAACGGTGA 11
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1251 Avenue of the Americas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Igarashi, Hisanaga
Okumura, Kouichi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Saiga, Akihiko
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         46.7%; Score 14; DB 67; Length 25; Conservative 0; Mismatches 0; Indels
other nucleic acid
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Search completed: June 23, 2003, 16:08:16 Job time: 2520.25 secs

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APPLICANT: CZERNIAK, BOGDAN
APPLICANT: JOHNSTON, DENNIS
APPLICANT: JOHNSTON, DENNIS
TITLE OF INVENTION: METHODS OF DETECTING, DIAGNOSING AND TREATING CANCER
TITLE OF INVENTION: AND IDENTIFYING NEOPLASTIC PROGRESSION
FILE REFERENCE: UTFC:712-WO
CURRENT FILING DATE: 2002-06-11
PRIOR APPLICATION NUMBER: 60/297,813
PRIOR FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 20
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 11
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
PEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
OTHER INFORMATION: Primer
8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; DESCRIPTION: US-08-913-665-14
                                                                                                                                                 PCT-US02-18427-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 15
PCT-US02-18427-11
                                                                         Query Match
Best Local S
Matches 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 11, Application PC/TUS0218427 GENERAL INFORMATION:
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                                                                         th 43.3%;
| Similarity 100.0%;
| 13; Conservative |
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rrecrerrecree 13
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100.0%; Pred. No. 5.2e+03;
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                                                                                             1.7e+04;
                                                                                                          Length 20;
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Title:
                                                                                                  Run on:
                                                                                                                                              OM nucleic - nucleic search, using sw model
                                         June 23, 2003, 06:41:29; Search time 241.076 Seconds (without alignments)
182.610 Million cell updates/sec
                                                                                                                                                                                                                 GenCore version 5.1.6 Copyright (c) 1993 - 2003 Compugen Ltd.
```

Perfect score: 30 US-08-770-564A-2 CGTTCCTCTTCCTGCGGCCTGAAACGGTGA 30

Scoring table: OLIGO_NUC Gapop_60.0 , Gapext 60.0

Searched: 1042519 segs, 733713590 residues

Word size 0

Total number of hits satisfying chosen parameters:

832576

Minimum DB seq length: 0 Maximum DB seq length: 50

Post-processing: Listing first 45 summaries

| | | | Database : |
|---|--|---|--|
| 6/ptodata/1/pubpna/US10_PUBCOME 6/ptodata/1/pubpna/US60_NEW_PUB 6/ptodata/1/pubpna/US60_PUBCOME | 7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:* 8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:* 9: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:* 10: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:* 11: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:* | _6/ptodata/1/pubpna/US06 _6/ptodata/1/pubpna/US06 _6/ptodata/1/pubpna/US07 _6/ptodata/1/pubpna/PCTUS | Published Applications_NA:* 1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:* 2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:* |

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARIES

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| 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | . 12 | Score |
| 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | Query Match Length |
| 24 | 20 | 19 | 19 | 19 | 19 | 19 | 19 | 18 | 12 | 38 | 38 | 38 | 38 | 25 | 25 | 25 | 24 | 20 | Length |
| 9 | 9 | 10 | 9 | 9 | 9 | 9 | 9 | 10 | 9 | 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | BG |
| US-10-101-487-12 | US-09-919-197-23 | US-09-947-770-26 | US-10-096-255-41 | US-10-096-255-38 | US-09-902-563-41 | US-09-902-563-38 | US-09-879-389B-4 | US-09-969-373-1923 | US-09-938-744-2 | US-09-096-749A-18 | US-10-174-717A-18 | US-09-930-423-2074 | US-09-903-412-18 | US-10-098-263B-114611 | US-10-098-263B-49318 | US-09-754-853A-686 | US-09-940-185-1908 | US-10-139-496-25 | ID |
| 12, | Sequence 23, Appl | Sequence 26, Appl | Sequence 41, Appl | Sequence 38, Appl | Sequence 41, Appl | Sequence 38, Appl | Sequence 4, Appli | Sequence 1923, Ap | Sequence 2, Appli | Sequence 18, Appl | Sequence 18, Appl | Sequence 2074, Ap | Sequence 18, Appl | Sequence 114611, | Sequence 49318, A | Sequence 686, App | Sequence 1908, Ap | Sequence 25, Appl | Description |

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| 36.7 36.7 | 36.7 36.7 36.7 | 36.7 36.7 36.7 | 36.7 36.7 | 36.7 36.7 36.7 | 36.7 36.7 36.7 36.7 |
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| φφφ | 9999 | 0000 | φφφφ | φφφφφ | 9999 |
| US-10-098-263B-81647 US-10-098-263B-81648 US-10-098-263B-96226 | US-10-098-263B-50058 US-10-098-263B-56723 US-10-098-263B-56724 US-10-098-263B-67054 | -10-098-263B-4804 -10-098-263B-4804 -10-098-263B-4810 -10-098-263B-4810 | US-10-098-263B-24096 US-10-098-263B-26793 US-10-098-263B-38102 US-10-098-263B-38729 | US-10-215-112-10249 US-10-215-112-10695 US-10-215-112-12736 US-10-098-263B-9249 US-10-098-263B-17568 | US-10-101-487-13 US-09-818-954A-4 US-09-943-388-16 US-09-990-940-98 US-10-215-112-2042 US-10-215-112-5699 |
| Sequence 81647, Sequence 81648, Sequence 96226, | Sequence 50058, A Sequence 56723, A Sequence 56724, A Sequence 67054, A | 48043, 48100, 50057, | Sequence 24096, 1 Sequence 26793, 1 Sequence 38102, 1 Sequence 38729, 1 | | Sequence 13, Appl Sequence 4, Appli Sequence 16, Appl Sequence 48, Appl Sequence 2042, Ap Sequence 5699, Ap |

ALIGNMENTS

RESULT 1 US-10-139-496-25/c

Sequence 25, Application US/10139496
Publication No. US20030082646A1
GENERAL INFORMATION:

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RESULT 2
US-09-940-185-1908/c
; Sequence 1908, Application US/09940185
; Publication No. US20030096239A1
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                  ; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-139-496-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOPTWARE: PatentIn version 3.1
SEQ ID NO 25
LENGTH: 20
TYPE: DNA
                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Carey, Thomas E.
APPLICANT: Nair, Thankum S.
APPLICANT: Mair, Thankum S.
APPLICANT: Gray, Jennifer P.
TITLE OF INVENTION: Antigenic Targets of Autoimmune Sensorineural Hearing Loss (AISNH TITLE OF INVENTION: Development of Tests for Diagnosis and Management of AISNHL FILE REPERENCE: UM-6982
CURRENT APPLICATION NUMBER: US/10/139,496
CURRENT FILING DATE: 2002-09-10
PRIOR APPLICATION NUMBER: 09/222,179
PRIOR APPLICATION NUMBER: 09/222,179
PRIOR FILING DATE: 1998-12-29
NUMBER OF SEQ ID NOS: 36
APPLICANT: Gunderson, Kevin
APPLICANT: Chee, Mark
TITLE OF INVENTION: Probes and Decoder Oligonucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DNA
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100.0%; Pred. No. 1.3e+03;
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FILE REFERENCE: A-69605-1

CURRENT APPLICATION NUMBER: US/09/940,185
CURRENT FILING DATE: 2001-08-27
PRIOR APPLICATION NUMBER: US 60/227,948
PRIOR FILING DATE: 2000-08-25
PRIOR APPLICATION NUMBER: US 60/228,854
PRIOR FILING DATE: 2000-08-29
NUMBER OF SEQ ID NOS: 4768
SOFTWARE: Patentin version 3.1
SEQ ID NO 1908

TYPE: DNA
ORGANISM: Artificial Sequence

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US-10-098-263B-49318/c
; Sequence 49318, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER; OF SEQ ID NOS: 131066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Parnel, Laurence D.

APPLICANT: Parnel, Laurence D.

APPLICANT: Parnel, Jeremy D.

APPLICANT: Wang, Ming Li

TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With

TITLE OF INVENTION: Soybean Cyst Nematode Resistance

PILE REFERENCE: 38-10(15810)B

CURRENT APPLICATION NUMBER: US/09/754,853A

CURRENT APPLICATION NUMBER: US 60/174,880

PRIOR APPLICATION NUMBER: US 60/174,880

PRIOR APPLICATION NUMBER: US 60/174,880

SEQ ID NO 686

ENOTE: 2000-01-07

SEQ ID NO 686
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; Sequence 686, Application US/09754853A
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US-09-940-185-1908
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; FEATURE;
; OTHER INFORMATION: Clone ID: 318013_region_A3__151839_17_Reverse_Primer_Seq
US-09-754-853A-686
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Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
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ORGANISM: Glycine max
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20
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12; Conser
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100.0%; Pred. No. 1.3e+
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Pred. No., 1.3e+03
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14 GCGGCCTGAAAC 25

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GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Mittman, Michael

TITLE OF INLERTION: Human Microarray

FILE REFERENCE: 3118.1

CURRENT APPLICATION NUMBER: US/10/098,263B

CURRENT FILING DATE: 2003-01-08

PRIOR APPLICATION NUMBER: 60/276,759

PRIOR FILING DATE: 2001-03-16

NUMBER OF SEQ ID NOS: 131066

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 114611

LENGTH: 25

TYPE: DNA

ORGANISM: Homo sapien

US-10-098-263B-114611
                                                                                                                              Sequence 18, Application US/09903412

Publication No. US2003027319A1

GENERAL INFORMATION:

FILE REFERENCE: 109.050US1

CURRENT APPLICATION NUMBER: US/09/903,412

CURRENT FILING DATE: 2001-07-11

PRIOR APPLICATION NUMBER: US 60/217,474

PRIOR APPLICATION NUMBER: US 60/217,474

PRIOR FILING DATE: 2000-07-11

NUMBER OF SEQ ID NOS: 121

NUMBER OF SEQ ID NOS: 121

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 18

LENGTH: 38

LENGTH: 38

LENGTH: 38

LENGTH: 38
                                                            ; OTHER INFORMATION: Oligonucleotide FN3R. US-09-903-412-18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-098-263B-114611
Query Match
Best Local S
Matches 12
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Best Local S
Matches 12
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SEQ ID NO 49318
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 114611, Application US/10098263B Publication No. US20030104410A1
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Best Local Similarity 100
Matches 12; Conservative
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                                                                                                   FEATURE:
                                                                                                              ORGANISM: Artificial Sequence
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12; Conserv
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40.0%; Score 12; DB 100.0%; Pred. No. 1.3 ive 0; Mismatches
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Pred. No. 1.3e+03;
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0; Mismatches
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0; 1.3e+03;
                                 DB 9;
                 1.3e+03;
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 Indels
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GCGGCCTGAAAC 17

RESULT 7

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; Sequence 2074, Application US/09930423
; Publication No. US20030092003A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 18, Application US/10174717A
Publication No. US20030108948A1
APPLICANT: Koide, Shohei
TITLE OF INVENTION: ARTIFICIAL ANTIBODY POLYPEPTIDES
NUMBER OF SEQUENCES: 118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best
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SOFTWARE: PatentIn version 3.0
SEQ ID NO 2074
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TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: Method and Reagent for the Treatment of Alzheimer's Disease
CURRENT APPLICATION NUMBER: US/09/930,423
CURRENT FILING DATE: 2001-08-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: Blatt, Larry
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: n stands for inosine
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ORGANISM: Artificial Sequence
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LOCATION: (31)..(31)
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                      INFORMATION FOR SEQ ID NO: 18
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                                                                                                                                                                                         APPLICATION NUMBER: US/10/174,717A
FILING DATE: 18-Jun-2002
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/096,749
FILING DATE: June 12, 1998
APPLICATION NUMBER: 60/049,410
FILING DATE: June 12, 1997
                                                                                  NAME: Ann S. Viksnins
REGISTRATION NUMBER: 37,748
REFERENCE/DOCKET NUMBER: 109.034US4
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                 OPERATING SYSTEM: WINDOWS
SOFTWARE: FASTSEQ Version 2.0b
CURRENT APPLICATION DATA:
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MEDIUM TYPE: Diskette
SEQUENCE
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                                       TELEPHONE: (612) 373-6900
TELEFAX: (612) 339-3061
                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM Compatible
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: Schwegman, Lundberg, Woessner & Kluth P.A. STREET: 121 South Eighth Street, St. 1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Blatt, Larry
                                                           TELEPHONE:
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83.3%;
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Pred. No.
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RESULT 9
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                                                              US-09-096-749A-18
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 Matches
                               Query Match
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ODERATING SYSTEM: DOS
SOFTWARE: FASKSEQ Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/096,749A
FILING DATE: June 12, 1998
PRIOR APPLICATION NUMBER:
APPLICATION NUMBER:
                                                                                                                                                                                                                                      TELEFAX: (612) 339-30 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
                                                                                                        TOPOLOGY: line
MOLECULE TYPE: N
HYPOTHETICAL: NO
ANTI-SENSE: NO
                                                                            FRAGMENT TYPE: ORIGINAL SOURCE:
                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 38 base pairs
                                                                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFORMATION:
NAME: Ann S. Viksnins
REGISTRATION NUMBER: 37,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Koieda, Shohei
TITLE OF INVENTION: ARTIF
NUMBER OF SEQUENCES: 118
                                                                                                                                                                                                                                                                                   TELECOMMUNICATION INFORMATION:
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Local Similarity
nes 12; Conservat
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                                                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Schwegman, Lundberg, Woessner & Kluth P.A. STREET: 121 South Eighth Street, Ste. 1600
                                                                                                                                                                      STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: Minneapolis
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                                                                                                                                                                                       nucleic acid
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STRANDEDNESS: single
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 Conservative
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IBM Compatible
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100.0%;
                40.0%; Score 12; DB 10; 1 100.0%; Pred. No. 1.3e+03;
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Pred. No.
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 Mismatches
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                               Length 38;
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.14 GCGGCCTGAAAC 25

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GCGGCCTGAAAC

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APPLICANT: MAG, YUMÍN
APPLICANT: Xie, Yi
APPLICANT: Xie, Yi
TITLE OF INVENTION: METHOD FOR LARGE SCALE CDNA CLONING AND
TITLE OF INVENTION: SEQUENCING BY CIRCULATING SUBTRACTION
FILE REFERENCE: A34606-PCT-USA-A 072975.0111
CURRENT APPLICATION NUMBER: US/09/938,744
CURRENT FILING DATE: 2001-08-24
PRIOR APPLICATION NUMBER: PCT/CN00/00036
PRIOR FILING DATE: 2000-02-25
PRIOR APPLICATION NUMBER: CN 99102450.8
PRIOR FILING DATE: 1999-02-26
INUMBER OF SEQ ID NOS: 13
SECTUMARE: FASTSEQ for Windows Version 4.0
SEC ID NO 2
TENETT: 1999-02-26
INUMBER OF SEG ID NOS: 13
                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: US 09/754,853
PRIOR FILING DATE: 2001-01-05
PRIOR APPLICATION NUMBER: US 09/760,427
PRIOR FILING DATE: 2001-01-13
PRIOR PILING DATE: 2001-01-13
PRIOR PILING DATE: 2001-05-15
PRIOR PILING DATE: 2001-05-15
NUMBER OF SEQ ID NOS: 4593
SEQ ID NO 1923
LENGTH: 18
RESULT 12
US-09-879-389B-4/c
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; OTHER INFORMATION: Oligonucleotide primer
US-09-938-744-2
                                                                                                                                                                                                                                                ; ORGANISM: Glycine max 
US-09-969-373-1923
                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Effertz, Roger J.
APPLICANT: Hauge, Brian M.
TITLE OF INVENTION: 809bean SSR8 and Methods of Genotyping
FILE REFERENCE: 38-10(52679)A
CURRENT APPLICATION NUMBER: US/09/969,373
CURRENT FILING DATE: 2001-10-02
CURRENT FILING DATE: US 09/754,853
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3-09-969-373-1923/c
Sequence 1923, Application US/09969373
Patent No. US20020133852A1
GENERAL INFORMATION:
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Best Local Similarity
Matches 11; Conserv
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ORGANISM: Artificial Sequence
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t No. US20020172954A1
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                                                                                                                                                                  11; Conservative
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100.0%; Pr
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100.0%;
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; Pred. No. 5.2e+03
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US-09-902-563-41
Sequence 41, Application US/09902563
Publication No. US20030099654A1
GENERAL INFORMATION:
APPLICANT: Levy, Gary
TITLE OF INVENTION: Methods of Modulating Immune Coagulation
FILE REFERENCE: 9579-37
CURRENT APPLICATION NUMBER: US/09/902,563
CURRENT FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 99/442,143
PRIOR FILING DATE: 1999-11-15
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US-092-563-38/c
; Sequence 38, Application US/09902563
; Publication No. US20030099654A1
; Publication No. US20030099654A1
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Best Local S
Matches 11
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Best Local S
Matches 11
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PRIOR FILING DATE: 1999-11-15
NUMBER OF SEQ ID NOS: 53
SOFTWARE: PatentIn version 3.1
SEQ ID NO 38
LENGTH: 19
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CURRENT FILING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 4
SOFTWARE: PatentIn version 3.1
SEQ ID NO 4
LENGTH 19
TYPE: DNA
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APPLICANT: Kauppinen, Markus Sakari
TITLE OF INVENTION: ASPARTIC ACID PROTEASES
FILE REFERENCE: 6123.200-US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Levy, Gary
TITLE OF INVENTION: Methods of Modulating Immune Coagulation
FILE REFERENCE: 9579-37
CURRENT APPLICATION NUMBER: US/09/902,563
CURRENT FILING DATE: 2002-09-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: No. US20030032165Alozymes A/S
APPLICANT: Wu, Wenping
APPLICANT: Osterggard, Peter Rahbek
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OTHER INFORMATION: Primer
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11; Conserv
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WESULT 15
US-10-096-255-38/c

Sequence 38, Application US/10096255

Publication No. US20030103974A1

GENERAL INFORMATION:

APPLICANT: Levy, Gary
APPLICANT: Clark, David A.

TITLE OF INVENTION: Methods of Modulating Immune Coagulation
FILE REFERENCE: 9579-52

CURRENT FILING DATE: 2002-03-13

PRIOR APPLICATION NUMBER: US/0/046,537

PRIOR APPLICATION NUMBER: US 60/046,537

PRIOR APPLICATION NUMBER: US 60/061,684

PRIOR PILING DATE: 1997-10-10

NUMBER OF SEQ ID NOS: 53

SOFTWARE: PatentIn version 3.1

SOFTWARE: DAA

ORGANISM: Artificial Sequence
FEATURE:
FEATURE:
OTHER INFORMATION: Primer

US-10-096-255-38
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Search completed: June 23, 2003, 20:01:28 Job time: 244.076 secs
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Best Local Similarity
Matches 11; Conserv
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 41
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ORGANISM: Artificial Sequence
FEATURE:
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US-10-287-787-22949/c
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                                                                                       RESULT 14
US-60-427-808-358682
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; ORGANISM: Mus musculus
US-60-427-808-174226
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CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SOFTWARE: DIO NO 174226
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Best Local Similarity
Matches 19; Conserv
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                                                           Sequence 358682, Application US/60427808 GENERAL INFORMATION:
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              APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528
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GURRENT APPLICATION NUMBER: US/60/427,808
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17; Conserv
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Pred. No. 9.7e
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Search completed: June 26, 2003, 04:14:59 Job time: 757.961 secs

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US-60-427-808-829890
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Best Local S
Matches 17
                                                                                                                                                 SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 829890
LENGTH: 25
                                                                                                                                                                                                                               Sequence 829890, Application US/60427808
GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 358682
                                                                Query Match
Best Local 9
                                                    Matches
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NUMBER OF SEQ ID NOS:
SOFTWARE: Microarray
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CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
                                                                                                                                     TYPE: I
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17; Conserv
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  TCCTCTTCCTGTAGCCTAAA 22
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85.0%;
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                                                      Score 15.2; Di
Pred. No. 1.1e
0; Mismatches
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DB 12;

Length 25;

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Sequence 739619, Application US/60427808

SEQUENCE INFORMATION:

APPLICANT: Xue Mei Zhou

ITITLE OF INVENTION: Methods of Genetic Analysis of Mouse

FILE REFERENCE: 3528

CURRENT APPLICATION NUMBER: US/60/427,808

CURRENT PILING DATE: 2002-11-20

NUMBER OF SEQ ID NOS: 982914

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 739619

LENGTH: 25

TYPE: DNA

ORGANISM: Mus musculus

US-60-427-808-739619
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 549003
LENGTH: 25
TYPE: DNA
CORGANISM: Rattus norvegicus
US-60-427-836-549003
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US-60-427-808-739619
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; TYPE: DNA
; ORGANISM: Mus musculus
US-60-427-808-551160
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US-60-427-808-551160/c
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Matches 19
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Best Local S
Matches 18
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GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTMARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 551160
LENGTH: 25
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FILE REFERENCE: 3527
CURRENT APPLICATION NUMBER: US/60/427,836
CURRENT FILING DATE: 2002-11-20
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18; Conserv
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17; Conser
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89.5%;
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Pred. No. 7.4e
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Pred. No. 6.1e
0; Mismatches
                                                                                                              Score 15.4; DB 1
Pred. No. 9.1e+03
); Mismatches
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                                                                                                                                                   DB 12;
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                                             TITLE OF INVENTION: Polynucleotide, Materials Incorporating ITTLE OF INVENTION: Them, and Methods for Using Them FILE REFERENCE: 11000.1049AU.c1

CURRENT APPLICATION NUMBER: US/10/447,242

CURRENT FILING DATE: 2003-05-27

PRIOR APPLICATION NUMBER: 09/724,750

PRIOR PILING DATE: 2000-11-28

PRIOR PILING DATE: 1000-11-28

PRIOR PILING DATE: 1099-12-21

INUMBER: 09/12-21

NUMBER: 09/12-31

NUMBER: 09/12-31
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US-60-427-836-669242
Sequence 669242, Application US/60427836
GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of
FILE REFERENCE: 3527
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 9
US-60-427-836-669241
; Sequence 669241, App.
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                          RESULT 11
US-10-447-242-23365
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; ORGANISM: Rattus norvegicus US-60-427-836-669242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             밁
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: DNA; ORGANISM: Rattus norvegicus US-60-427-836-669241
; TYPE: DNA
; ORGANISM: Pinus radiata
US-10-447-242-23365
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local S
Matches 19
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Best Local S
Matches 19
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CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 669242
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT PILING DATE: 2002-11-20
RUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 669241
LENGTH: 25
TYPE: NO.
                                                                                                                                                                                                                                                                                                      Sequence 23365, Application US/10447242 GENERAL INFORMATION: APPLICANT: Havukkala, Ilka
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of
FILE REFERENCE: 3527
                                                                                                                                                                                                                                                                                                                                                                                                                                  l Similarity
19; Conserv
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19; Conserv
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76.0%;
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Pred. No. 9.1e+03,
0; Mismatches
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Pred. No. 9.1e+03;
0; Mismatches 6;
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Length 25;

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Gaps

0;

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TCTTCCTGCGGCCTGAAA 24

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RESULT 2 PCT-US03-04088-290

GENERAL INFORMATION

Application PC/TUS0304088

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RESULT 3
US-60-427-808-174225/c
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                                                                            ; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-60-427-808-174225
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                                                                                                                                                                                                                                                                                                                 Sequence 174225, Application US/60427808 GENERAL INFORMATION:
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                  Query Match
Best Local
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  Matches
                                                                                                                                                          SEQ ID NO 174225
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CURRENT FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-06-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene TITLE OF INVENTION: Expression Using Short Interfering RNA (SiNA) FILE REPERENCE: 02-708-A (400/080)
                                                                                                                                                                       CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
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PRIOR FILING DATE: 2003-01-15
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PRIOR FILING DATE: 2002-09-05
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Ribozyme Pharmaceuticals, Inc
                                                                                                                                                                                                                                                          TITLE OF INVENTION: Methods of Genetic Analysis FILE REFERENCE: 3528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: US 60/406,784
                                                                                                                                                                                                                                                                                                 APPLICANT: Xue Mei Zhou
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: RNA
ORGANISM: Artificial
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: region
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18; Conservative
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Beigelman, Leonid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
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                    56.0%;
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72.2%;
                                                                                                                                                                             Sequence Listing Generator V 1.1
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Pred. No. 6
  Score 16.8; DB 12;
Pred. No. 2.2e+03;
0; Mismatches 2;
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                                                                                                                                                                                                                                                                                of Mouse
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                                     Length 25;
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APPLICANT: Xue Mei Zhou

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RESULT 4
US-10-325-899-304/c
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RESULT 6
US-60-427-836-549003
US-60-427-836-549003, Application US/60427836
; Sequence 549003, Application US/60427836
; GENERAL INFORMATION:
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; ORGANISM: Mus musculus
US-60-427-808-324892
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-60-427-808-324892
                                                                                                                                                                                                                                                                                    FILE REFERENCE: 3528
CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SQFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 324892
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 324892, App
GENERAL INFORMATION:
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SEQ ID NO 304
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Best Local
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CURRENT FILING DATE: 2002-12-20
PRIOR APPLICATION NUMBER: US 60/296,764
PRIOR FILING DATE: 2001-06-08
PRIOR APPLICATION NUMBER: US 10/006,290
PRIOR FILING DATE: 2001-10-22
PRIOR FILING DATE: 2001-10-22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: US 10/131,831 PRIOR FILING DATE: 2002-04-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND MONITORING TRANSPLAN TITLE OF INVENTION: REJECTION FILE REFERENCE: 506612000122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Wohlgemuth,
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                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 50
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Ly, Ngoc
Woodward, Robert
                                                                                                                                    GTTCCTCTTCCTGCGGCCTGA 22
                                                                                                      GTTCATCTTCCAGCAGCCTGA 23
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Pred. No. 2.9e+03;
0; Mismatches 4
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Pred. No. 4
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Result
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Maximum Match 100%
Listing first 45 summaries
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Perfect score:
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Maximum DB seq length: 50
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                            Query
Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 June 25, 2003, 13:28:55; Search time 716.653 Seconds (without alignments) 292.710 Million cell updates/sec
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                         CGTTCCTCCTGCGGCCTGAAACGGTGA 30
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Copyright (c) 1993 - 2003 Compugen Ltd
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PCT-US03-04088-29
1 PCT-US03-04088-29
1 US-60-427-808-17425
9 US-10-325-899-304
12 US-60-427-808-55160
12 US-60-427-808-55160
12 US-60-427-808-739619
12 US-60-427-808-739619
12 US-60-427-836-669242
13 US-10-447-836-669242
14 US-10-287-878-22949
15 US-10-287-888-2888-89579
15 US-10-355-833A-4903
15 US-10-98-2638-89579
15 US-10-98-2638-89579
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              Sequence 26, Appl
Sequence 200, App
Sequence 304, App
Sequence 304, App
Sequence 324823,
Sequence 549003,
Sequence 551160,
Sequence 659241,
Sequence 669241,
Sequence 679245, A
Sequence 23365, A
Sequence 27425, A
Sequence 27425, A
Sequence 27405, A
Sequence 82880,
Sequence 82980, Ap
Sequence 4903, Ap
Sequence 4903, Ap
Sequence 49577, A
Sequence 89577, A
                                                                                                                                                                                                                                                                                                                                                                 Description
                                                                                                                                                                       APPLICANT: NEONMANTON:
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT PILING DATE: 2002-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR APPLICATION NUMBER: US 60/396,500
PRIOR FILING DATE: 2002-05-20
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR APPLICATION NUMBER: US 60/367
PRIOR APPLICATION NUMBER: US 60/363,78
PRIOR APPLICATION NUMBER: US 60/363,78
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR APPLICATION NUMBER: US 60
                                                                                       ; TYPE: RNA
; ORGANISM: Artificial
; PEATURE: RNATION: Description
; OTHER INFORMATION: region
PCT-US03-04088-26
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Sequence 26, Application PC/TUS0304088
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GENERAL INFORMATION
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9 US-10-355-577-544037

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9 US-10-355-577-902019

9 US-10-355-577-902020

12 US-60-427-808-281486

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13 US-60-427-808-275929

14 US-60-427-808-32489

15 US-60-427-808-34893

16 US-60-427-808-49449

17 US-60-427-808-49449

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Sequence 902019,
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Sequence 281488,
Sequence 275929,
Sequence 35538, Ap
Sequence 4294, Ap
Sequence 4294, Ap
Sequence 416069,
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AR009327/c
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ORGANISM REFERENCE AUTHORS BASE COUNT ORIGIN 밁 BASE COUNT ORIGIN FEATURES source Query Match 20.0%; Score 12; DB 6; Length 17; Best Local Similarity 100.0%; Pred. No. 3.1e+04; Matches 12; Conservative 0; Mismatches 0; Indels Query Match 20.0%; Score 12; DB 6; Length 16; Best Local Similarity 100.0%; Pred. No. 3.1e+04; Matches 12; Conservative 0; Mismatches 0; Indels 34 GAGAGTGACTCT 45 16 CCCAACCAGCCC 27 Unknown. Unknown. AR009327 17 bp DNA Sequence 95 from patent US 5756291 AR009327 AR009327.1 GI:3968132 /organism="unknown"
5 c 3 g Location/Qualifiers
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Search completed: June 23, 2003, 20:29:39 Job time : 601.016 Becs

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1 (bases 1 to 40)

Ramakrishnan, V., Escobed, M.A. and Fret, R.J.

TITLE Rung composition for inhibiting hyperplasia of inner membrane i mammal vasculature
Patent: JP 200035548-A 1 26-DEC-2000;

COR THERAPEUTICS INC

OS Unidentified
PM JP 200035548-A/1
PD 26-DEC-2000
PF 26-APR-2000 JP 2000126131
PR 02-DEC-1991 US 07/801795
PI VANITA RAMAKRISHNAN, MARIA A ESCOBED, RALY J FRET PC
A61K39/395, A61K39/395, A61K39/395, A61F9/00, A61P43/00, G01N33/53, PC
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Ramakrishnan, V., Escobedo, M. Amelia., Fretto, L.J. and Lokker, N. Inhibitory immunoglobulin polypeptides to human PDGF beta receptor Patent: US 5817310-A 1 06-OCT-1998;
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Dalie,B., Miller,K., M
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Patent: US 5597710-A 1
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PN J 2000355600-A/1
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PR 02-DEC-1991 US 07/801795
PI VANITA RAMAKRISHNAN, MARIA A ESCOBED, RALY J FRET PC
COTKI6/28, A61K9/20, A61K39/395, A61K39/395, A61K48/00, A61P9/00,
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Ramakrishnan, V., E
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Best Local Similarity 100.0%; Pred. No. 7.6e+03;
Matches 13; Conservative 0; Mismatches 0;
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;

Mammalla; Butheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 24)

De Canok, I.D., Rossau,R. and Rombout,A.

Method for the amplification of hla class i alleles

Patent: WO 0061795-A 202 19-OCT-2000;

CANCK ILSE DE (BE); ROSSAU RUDI (BE); INNOGENETICS NV (BE);

ROMBOUT ANNELIES (BE)

ROMBOUT ANNELIES (BE)
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1 (bases 1 to 25)
De Canck, I.D., Rossau, R. and Rombout, A. Method for the amplification of hla class i alleles Patent: WO 0061795-A 203 19-OCT-2000; CANCK ILSE DE (BE); ROSSAU RUDI (BE); INNOGENETICS NV (BE); ROMBOUT ANNELIES (BE)
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Sequence 203 from Patent W00061795.
AX038446 1 GI:11227794
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Sequence 202 from Patent W00061795.
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AX038445.1 GI:11227793
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ilarity 100.0%; Pred. No. 7.6e+03;
Conservative 0; Mismatches 0;
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/db_xref="taxon:9606"
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Sequence 7
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13; Conservative
Walsh,K.
GATA-6 transcription factor: compositions
GATA-6 transcription factor: compositions
Patent: US 5990092-A 7 23-NOV-1999;
Patent Location/Qualifiers
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GATA-6 transcription factor: compositions
Patent: US 5990092-A 8 23-NOV-1999;
Location/Qualifiers
1. 27
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Sequence 8 from patent US 5990092.
AR088753
AR088753.1 GI:10015516
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Patent: EP 119936-A 37 24-APR-2002;
Kao Corporation (JP)
Location/Qualifiers
1. 25
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synthetic construct
artificial sequences.
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l3; Conservative
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11 c 8 g
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/db_xref="taxon:32630"
2 c 10 g 7 t
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from patent US 5990092.
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100.0%; Pr
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
1 (bases 1 to 20)
De Canck, I.D., Rossau, R. and Rombout, A.
Method for the amplification of hla class i alleles
Patent: WO 0061795-A 198. 19-OCT-2000;
CANCK ILSE DE (BE); ROSSAU RUDI (BE); INNOGENETICS
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Sequence 198 from Patent
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De Canck,I.D., Rossau,R. and Rombout,A.

Method for the amplification of hla class i alleles
Patent: WO 0061795-A 199 19-CCT-2000;

CANCK ILSE DE (BE); ROSSAU RUDI (BE); INNOGENETICS
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/db xref="taxon:32630"
/note="Oligonucleotide"
/ note 8 c 6 g 1 t
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/db_xref="taxon:9606"
6 c 4 g
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             organism="Homo sapiens"

/db_xref="taxon:9606"

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Pred. No. 7.7e+03;
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De Canck, I.D., Rossau, R. and Rombout, A. Method for the amplification of hla class i alleles Patent: WO 0061795-A 200 19-OCT-2000; CANCK ILSE DE (BE); ROSSAU RUDI (BE); INNOGENETICS ROMBOUT ANNELIES (BE)
33 AGAGAGTGACTCT 45
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De Canck, I.D., Rossau,R. and Rombout,A.

Method for the amplification of hla class i alleles
Patent: WO 0061795-A 201 19-CCT-2000;

CANCK ILSE DE (BB); ROSSAU RUDI (BE); INNOGENETICS
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SUMMARIES

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                                                   The present invention relates to a method for the locus-specific, separate amplification of exon 2, exon 3, and/or exon 4 of human leukocyte antigen (HLA)-A, HLA-B, or HLA-C alleles. The method is useful for subtyping or typing of HLA class 1 alleles. The present sequence is an amplification primer used in the method.
                                                                                                                                                                                                                                                                                Locue-specific, separate amplification of exon 2, exon 3, and/or exon of human leukocyte antigen (HLA)-A, HLA-B, or HLA-C alleles using defined primer sets, useful for subtyping or typing of HLA Class I alleles -
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                                                                                                                                                                                                                      Claim 4; Page 40; 128pp; English
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11-JUN-1999;
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RESULT 15
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Matches 13
                                                                                                                                                                                                                                The present invention relates to a method for the locus-specific, separate amplification of exon 2, exon 3, and/or exon 4 of human leukocyte antigen (HLA)-A, HLA-B, or HLA-C alleles. The method is useful for subtyping or typing of HLA class 1 alleles. The present sequence is an amplification primer used in the method.
                                                                                                                                                                                                                                                                                                                                                                                                                      Locus-specific, separate amplification of exon 2, exon 3, and/or exon of human leukocyte antigen (HLA)-A, HLA-B, or HLA-C alleles using defined primer sets, useful for subtyping or typing of HLA Class I alleles -
                                                                                                                                                                                     Sequence 24 BP; 6 A; 8 C; 4 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                          Claim 4; Page 40; 128pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     09-APR-1999;
11-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2000-647426/62.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         05-APR-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Reverse primer #112 used for amplification of HLA-A exon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    03-MAY-2001
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19
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                                                                                          13;
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13; Conservative
                                                                                                                   Similarity
                                AGAGAGTGACTCT 45
AGAGAGTGACTCT
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                                                                                             Conservative
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                                                                                  21.7%; bu
100.0%; Pr
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100.0%; Pr
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7
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                                                                                       Score 13; DB; Pred. No. 1.7
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Pred. No. 1.
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                                                                                             1.7e+03;
hes 0;
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RESULT 11
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                                                                    RESULT 12
AAC80281/c
                                                                                                                                                                                                                                                                  The present invention describes a method using novel primers involving the PCR-based determination of histocompatibility locus antigen B C (HLA-B) Class I group type. Determining the HLA-B Class I group type of a subject comprises: (i) combining a group-specific untranslated region primer pair with a target DNA sample from the subject under conditions such that primer-based amplification of the target DNA may occur; and (ii) determining whether a nucleic acid product is produced by the amplification; where the ability of the primer pair to produce a nucleic acid product is associated with a particular HLA group type. The method can be used for HLA-B typing. In the method, the initial group specific amplification allows a PCR based separation of haplotypes in 95% of patient samples. It permits the resolution of cis/trans linkages of heterozygote sequencing results which cannot be achieved with other protocols. AAX37845 to AAX38286 represent DNA sequence used in the
                                                                                                                                                                                    Matches
                                                                                                                                                                                                Query Match
Best Local Similarity
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03-MAY-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Determination of HLA class I group type of a subject specific untranslated region primer pair
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Blasczyk RH,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11-AUG-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HLA-B typing;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             04-JUN-1999
                          AAC80281;
                                                                                                                                                                                                                                          Sequence 21 BP; 6 A; 5 C; 5 G; 5 T; 0 other;
                                                     AAC80281 standard; DNA; 21 BP
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                                                                                                                             AGAGAGTGACTCT 1
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                                                                                                                                                                                   Conservative
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(first entry)
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cis/trans linkage resolution; ss.
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Matches 13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Locus-specific, separate amplification of exon 2, exon 3, and/or exon of human leukocyte antigen (HLA)-A, HLA-B, or HLA-C alleles using defined primer sets, useful for subtyping or typing of HLA Class I alleles -
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Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                 Sequence 21 BP; 4 A; 7 C; 4 G; 6 T; 0 other;
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11-JUN-1999;
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                                                                                                                                                                                                  03-MAY-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         05-APR-2000; 2000WO-EP02998
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                            09-APR-1999;
11-JUN-1999;
                                                           05-APR-2000;
                                                                                19-OCT-2000.
                                                                                                     WO200061795-A2
                                                                                                                         Synthetic.
                                                                                                                                   Homo sapiens
                                                                                                                                                       HLA-A; HLA-B; HLA-C;
                                                                                                                                                                           Reverse primer #110 used for amplification of HLA-A exon
                                                                                                                                                                                                                       AAC80282;
                                                                                                                                                                                                                                           AAC80282 standard; DNA; 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 4; Page 40;
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        (INNO-) INNOGENETICS NV
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                                                                                                                                                                                                                                                                                                                                        13;
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                                                           2000WO-EP02998
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                                                                                                                                                                                                 (first entry)
                            99EP-0870068.
99US-0138614.
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99US-0138614.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  128pp; English
                                                                                                                                                                                                                                                                                                                                   21.7%; 5--
100.0%; Pr
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                                                                                                                                                       typing; primer; human;
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Pred. No.
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1.7e+03;
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RESULT 9
ANV46221/c
ID ANV46221 standard; DNA; 21 BI
XX
AC AAV46221;
XX
AC AAV46221;
XX
T16-OCT-1998 (first entry)
XX
H1stocompatibility locus ant:
XX
H1stocompatibility locus ant:
XX
Gonor; host; tissue transplat
XX
Gonor; host; tissue transplat
XX
H1stocompatibility locus ant:
XX
H1stocompatibility locus ant:
XX
H1stocompatibility locus ant:
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H1stocompatibility locus ant:
XX
PN
H1-JUN-1998.
XX
XX
VISI-) VISIBLE GENETICS INC.
XX
PR
H12-DEC-1997; 97WO-CA00955.
XX
XX
PR
H12-DEC-1996; 96US-0766189.
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PR
H12-DEC-1996; 96US-0766189.
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PR
H12-DEC-1996; 96US-0766189.
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PR
H12-DEC-1997; 97WO-CA00955.
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PR
H12-DEC-1996; 96US-0766189.
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CVISI-) VISIBLE GENETICS INC.
XX
PR
H1A-Class I typing - by prime
PT
H1A-Class I typing - by prime
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Matches 13
AAV46054 and AAV46200-V46264 are primers used in isolating human histocompatibility locus antigen (HLA-A) Class I alleles which are used in a novel method of HLA Class I typing. The method involves combining a group-specific untranslated region primer pair with a target DNA to allow primer-based amplification of the DNA, and determining whether a nucleic acid product is produced by the amplification. The ability of the primer pair to produce a product is associated with a particular HLA group type. The methods can be used for typing the 3 classical HLA class I genes (comprising the loci HLA-A, HLA-B, and HLA-C) in e.g. donors and hosts for tissue transplantation. The initial group specific amplification allows a PCR based separation of haplotypes in 95% of patient samples. The subsequent sequencing can provide for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAV46054 and AAV46200-V46264 are primers used in isolating human histocompatibility locus antigen (HLA-A) Class I alleles which are used in a novel method of HLA Class I typing. The method involves combining a group-specific untranslated region primer pair with a tearget DNA to allow primer-based amplification of the DNA, and determining whether a nucleic acid product is produced by the amplification. The ability of the primer pair to produce a product is associated with a particular HLA group type. The methods can be used for typing the 3 classical HLA Class I genes (comprising the loci HLA-A, HLA-B, and HLA-C) in e.g. donors and hosts for tissue transplantation. The initial group specific amplification allows a PCR based separation of haplotypes in 95% of patient samples. The subsequent sequencing can provide for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 4; Page 128; 185pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HLA Class I typing - by primer-based amplification of target using group-specific untranslated region primer pair
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il Similarity 100.0%;
13; Conservative 0;
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1.7e+03;
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                                                                                       The present invention describes a method using novel primers involving C the PCR-based determination of histocompatibility locus antigen B (HLA-B) Class I group type. Determining the HLA-B Class I group type of a subject comprises: (i) combining a group-specific untranslated region primer pair with a target DNA sample from the subject under conditions such that primer-based amplification of the target DNA may occur; and (ii) determining whether a nucleic acid product is produced by the amplification, where the ability of the primer pair to produce a nucleic acid product is associated with a particular HLA group type. The method can be used for HLA-B typing. In the method, the initial group specific amplification allows a PCR based separation of haplotypes in 95% of patient samples. It permits the resolution of cis/trans linkages of heterozygote sequencing results which cannot be achieved with other protocols. AAX37895 to AAX38286 represent DNA sequence used in the cemplification of the present invention.
   Query Match
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Matches 13
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21.7%; Score 13; DB
Best Local Similarity 100.0%; Pred. No. 1.7
Matches 13; Conservative 0; Mismatches
                                                              Sequence 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAX38044;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 high-resolution typing.
                                                                                                                                                                                                                                                                                                                                         Disclosure; Page 19; 195pp; English.
                                                                                                                                                                                                                                                                                                                                                                       Determination of HLA class I group type of specific untranslated region primer pair
                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 1999-167446/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Blasczyk RH,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11-AUG-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; histocompatibility locus antigen; HLA; determination; allele; HLA-B typing; PCR; HLA class I; cis/trans linkage resolution; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HLA-A untranslated region primer SEQ ID NO:200.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (BLAS/) BLASCZYK R H.
(VISI-) VISIBLE GENETICS INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sapiens
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                                                                BP; 5 A; 6 C; 5 G; 5 T; 0 other;
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21.
100.0%; r.
                                  21.7%;
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     Score 13; DB; Pred. No. 1.7
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                                  DB 20;
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                                                                                                                                                                                                                                                                                                                                                                                       subject
                                  Length 21;
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RESULT 7
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ID AAC802
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PCR primers AAV99163-220 were used to map the intron boundaries of the exons of DNA methyltransferase (DNA MeTase) genomic sequence. Antisense oligonucleotides which inhibit inhibit DNA MeTase expression can be derived from the genomic DNA MeTase sequence. The antisense oligonucleotides can be used in investigating the role of DNA MeTase in cellular growth. They can be administered at different points in the cell cycle, or in conjugation with promoters or inhibitors of cell growth to determine the role of DNA MeTase in the growth of the cell growth of the cell cycle.
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30-MAY-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 8; Page 32; 108pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  purposes, particularly for inhibiting tumour growth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New DNA methyltransferase nucleotide sequences - used particularly to develop antisense oligonucleotides for diagnostic and therapeutic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1999-059833/05
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29-MAY-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             beta thalassemia; sickle cell anemia; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DNA methyltransferase; DNA MeTase; antisense oligonucleotide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Antisense primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          09-MAR-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 20 BP; 1 A; 6 C; 7 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Type of interest. The antisense oligonucleotides can also be used for inhibiting tumour growth in a mammal, or to activate silenced genes to provide a missing gene function. This ameliorates disease symptoms, e.g. in beta thalassemia and sickle cell anemia. The antisense oligonucleotides can also be used an analytical and diagnostic tools
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens.
                     Synthetic.
                                                                      HLA-A; HLA-B;
                                                                                                         Reverse primer #108 used for
                                                                                                                                               03-MAY-2001
                                                                                                                                                                                    AAC80280;
                                                                                                                                                                                                                      AAC80280 standard;
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                                    Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               a potentiators of transgenic plant and animal studies.
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                                                                                                                                                                                                                                                                                                                                                                                       13;
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                                                                                                                                                                                                                                                                                                                  GCCCGAGAGAGTG 3
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                                                                      HLA-C;
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97US-0866340.
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                                                                                                                                                                                                                      DNA;
                                                                                                                                               entry)
                                                                                                                                                                                                                                                                                                                                                                                                       21.7%;
                                                                      typing; primer; human; ss
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                                                                                                                                                                                                                                                                                                                                                                                      Score 13; DB Pred. No. 1.7
                                                                                                           amplification of HLA-A
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                                                                                                                                                                                                                                                                                                                                                                                                         1.7e+03;
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Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Locus-specific, separate amplification of exon 2, exon 3, and/or ex of human leukocyte antigen (HLA)-A, HLA-B, or HLA-C alleles using defined primer sets, useful for subtyping or typing of HLA Class I alleles -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       09-APR-1999;
11-JUN-1999;
                         HLA Class I typing - using group-specific
                                                                                                                                                                                                                                                                                                                Histocompatibility locus antigen; HLA-A class I; human; class typing; donor; host; tissue transplantation; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 20 BP; 4 A; 6 C; 4 G; 6 T; 0 other;
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Claim 4; Page 127; 185pp; English
                                                                                                                                                                                                                                                                                      Synthetic
                                                                                                                                                                                                                                                                                                                                                           Human HLA-A primer I3-249.
                                                                                                                                                                                                                                                                                                                                                                                       16-OCT-1998
                                                                                                                                                                                                                                                                                                                                                                                                                   AAV46219;
                                                                                                                                                                                                                                                                                                                                                                                                                                                AAV46219 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2000-647426/62.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO200061795-A2
                                                                                                Blasczyk RH,
                                                                                                                             (VISI-) VISIBLE
                                                                                                                                                        12-DEC-1996;
                                                                                                                                                                                    12-DEC-1997;
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                                                                                                                                                                                                                                            WO9826091-A2
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                                                                                                                                                                                                                                                                       iomo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Similarity
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                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                Leushner
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       99EP-0870068
99US-0138614
                                                                                                                                                        96US-0766189.
                                                                                                                                                                                    97WO-CA00955
                                                                                                                              GENETICS INC
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                          by primer-based amplification of untranslated region primer pair
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; Pred. No. 1.7e+0; 
0; Mismatches
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RESULT 4
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Matches 14
    Query Match
Best Local Similarity
Matches 13; Conserv
                                                                                              The present invention provides the protein and coding sequences of several polymorphic variants of the human immunoglobulin E receptor beta chain (IGERB). These contain single nucleotide polymorphisms (SNPs) which may be indicative of a predisposition to atopy, allergy, asthma, rhinitis and eczema. Also provided are the sequences of probes and primers for use in identifying the genetype of an individual with regards to the IGERB gene. The IGERB gene is found at human chromosome 11q13. The sequences are all useful in therapeutics. The present sequence was used to isolate the IGERB gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (AAIZ9513-AAI31314) from the human genome which include polymorphic sites which can predispose individuals to disease. Various genes from a number of individuals were resequenced and single nucleotide polymorphisms (SNPs) in these genes discovered. The method is useful for predicting the presence, absence or severity of a particular phenotype or disorder (e.g. diabetes) associated with a particular genotype. The nucleic acids containing the polymorphic sites may be useful in forensics and paternity
                                                                  Sequence 15 BP; 4 A; 1 C; 8 G; 2 T; 0 other;
                                                                                                                                                                                                                                                                            Claim 15; Page 61; 88pp; English.
                                                                                                                                                                                                                                                                                                                           Novel polynucleotide useful for therapeutic purposes, comprises nucleotide polymorphisms in immunoglobulin E receptor beta chain gene
                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2001-226623/23.
                                                                                                                                                                                                                                                                                                                                                                                                                   Denton RR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      24-AUG-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11-AUG-2000; 2000WO-US22175
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; immunoglobulin E receptor beta chain; IGERB; chromosome 11q13; allergy; asthma; rhinitis; eczema; single nucleotide polymorphism; SNP;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 31 BP; 2 A; 11 C; 16 G; 2 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200114588-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human IGERB allele specific probe SEQ ID NO: 12.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GENA-) GENAISSANCE PHARM INC (NAND/) NANDABALAN K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .ergy; asth
py; probe;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                 Kliem SE,
21.7%; Score 13; DB 22; ilarity 100.0%; Pred. No. 1.7e+03; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      99US-0150423.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       23.3%; Score 14; DB 22; 100.0%; Pred. No. 4.8e+02; tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                   Stephens JC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BP.
                                  Length 15;
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Gaps

0

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ID ANADA
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AC ANADA
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XX 27-P
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PR 
RESULT 6
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ID AAV99218
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                                                                                                                                                                                                                                                                         Query Match
Best Local
                                                                                                                                                                                                                                                  Matches
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25-AUG-1989;
11-SEP-1989;
16-JAN-1990;
                                                                                                                                                                                                                                                                                                                                                                                                                                        The primer is specific for nt 1667-1685 of HLA Class I A2 locus. It is used in a method for the prodn. of RFLP fragments for an HLA locus, together with a second primer making up a locus-specific primer (LSP) pair. It is pref. used with a Class I-specific primer which hybridises with at least two different Class I loci, pref. at least one of each of A, B, and C, and most pref. all of these. The Class I primer esp. hybridises with intervening sequence (IVS) III or IVS I sequences. Direct determination of the haplotye is possible, providing useful information for identity of individuals for e.g. paternity case and forensic investigations.
                                                                                                                                                                                                                                                                                                                                                             Sequence 19 BP; 5 A; 4 C; 7 G; 3 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Detection of adjacent and non:adjacent locus, e.g. HLA alleles - by amplifying genomic DNA, for direct determination of haplotype
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human leukocyte antigen; major histocompatibility restriction fragment length polymorphic analysis; tissue typing; allele; PCR; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                    See also AAQ10621-Q10669.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 29; Page 49; 53pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 1991-059664/09.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Simons MJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HLA Class I locus-specific primer A2.2.
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13; Conserva
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                                                                                                                                       AGAGAGTGACTCT 15
   standard;
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89US-0398217.
89US-0405499.
90US-0465863.
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DNA;
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100.0%; Pr
100.0%; 0;
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      BP
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                                                                                                                                                                                                                                               Score 13; DB 12; I
Pred. No. 1.7e+03;
Pred. Pred. Pred. Pred. No. 1.7e+03;
                                                                                                                                                                                                                                                                                                      Length 19;
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                                                                                                                                                                                                                                                  Gaps
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Disclosure;

Fig 15; 109pp;

English

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telomerase RNA (TR) comp
to a heterologous gene,
    The invention relates to promoter regions from mouse and human telomerase RNA (TR) component genes. The TR gene promoter can be to a heterologous gene, especially a gene encoding a cytotoxin, i
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The invention relates to

the identification of nucleic acid molecules

cc unrestricted proliferative capacity of many human cancers. Mutation or cdysregulation of the telomerase repression pathway may cause reactivation or correct or upregulation of telomerase expression in cancer. Substances, correct identified in the methods, can be used to block transcription from the TR correct interaction of the 5' regulatory sequences. These correct expensions and factors that disrupt signal transduction, are converted and factors that disrupt signal transduction, are useful for cancer therapy. In particular, gene therapy vectors consecuted in posteriors that promoter and a viral thymidine kinase gene can be used to convert a prodrug, e.g. gancyclovir, so that coplasia can be controlled or treated. Direct down-regulation of telomerase RNA gene through manipulation of transcription factors may be effective anticancer therapy and the cloning of the hTR gene promoter callows the analysis of therapeutic molecules which modulate hTR promoter activity. The present sequence represents an oligo comprising a Spl site. RNA (TR) component genes. The TR gene promoter can be linked to a heterologous gene, especially a gene encoding a cytotoxin, for therap of cancer, especially neoplasias. The telomerase is necessary for the invention relates to promoter regions from mouse and human to (TR) component genes. The TR gene promoter can be linked to telomerase therapy

Sequence 20 BP; 5 A; 8 C; 6 G; 1 T; 0 other;

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RESULT 2
AAZ07318
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Best Local
                                                                                                                                                        Human telomerase RNA gene (hTR) promoter specific primer
                                                                                                                                                                   22-OCT-1999
                                                                                                                                                                                       AAZ07318 standard;
                                                                                                                                                                                                                      20 ACCAGCCCGCCCGAGAGAGT 39
                                                                                                                                                                                                                 _
                                                                                                                                                                                                                                     20;
                                                                                                                                                                                                                                          Similarity
                                                                                                                                                                                                                 ACCAGCCCGCCCGAGAGAGT 20
                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                  (first entry)
                                                                                                                                                                                       DNA;
                                                                                                                                                                                                                                    33.3%; Score 20;
100.0%; Pred. No.
tive 0; Mismatc
                                                                                                                                                                                       20
                                                                                                                                                                                       ВP
                                                                                                                                                                                                                                      Mismatches
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                                                                                                                                                                                                                                          0.33;
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Telomerase RNA; TR; promoter; cytotoxin; cancer; neoplasia; hTR; gene therapy; thymidine kinase gene; anticancer therapy; human; mutagenesis; primer;

WO9938964-A2 Homo sapiens. Synthetic

05-AUG-1999 29-JAN-1999; 99WO-GB00308

29-JAN-1998; 98GB-0001902

(CANC-) CANCER RES CAMPAIGN TECHNOLOGY

WPI; 1999-479183/40

specific and human telomerase RNA gene promoters, useful for tumor gene therapy

Disclosure; Fig 12; 109pp; English

RESULT 3 AAI30062/c 밁 S Matches Query Match Best Local S reactivation or upregulation of telomerase expression in cancer. Substances, identified in the methods, can be used to block transcription from the TR gene promoter through interaction of the 5' regulatory sequences. These substances, e.g. antisense oligonucleotides, transcription factors, peptide nucleic acids and factors that disrupt signal transduction, are useful for cancer therapy. In particular, gene therapy vectors (especially pGT62-codAupp) comprising the promoter and a viral thymidine kinase gene can be used to convert a prodrug, e.g. gancyclovir, so that neoplasia can be controlled or treated. Direct down-regulation of telomerase RNA gene through manipulation of telomerase RNA gene through manipulation of the hTR gene promoter allows the anticancer therapy and the cloning of the hTR gene promoter allows the anticancer therapy and the cloning of the hTR gene promoter activity. Sequences AAR207696-321 represent PCR primers used in cloning and mutagenisis of human TR gene (hTR) the unrestricted proliferative capacity of many human cancers. No or dysregulation of the telomerase repression pathway may cause Key Variation Sequence 20 BP; 5 A; 8 C; 6 G; 1 T; -0 other; Nucleic acid molecules from the human genome which include polymorphic sites, useful in methods for predicting the presence, absence or severity of a particular phenotype or disorder (e.g. diabetes) associated with a particular genotype -18-OCT-2001 AAI30062 standard; DNA; 31 promoter region therapy of cancer, especially neoplasias. The telomerase is necessary Claim 1; Page 65; WPI; 2001-522952/57 Cargill M, 07-MAR-2000; 22-MAY-2000; 07-MAR-2001; 2001WO-US07268 WO200166800-A2 Homo sapiens Human; resequence; genotype; disease; forensic; paternity testing; single nucleotide polymorphism; SNP; ss. Human single nucleotide polymorphism (SNP) AAI30062; (WHED) WHITEHEAD INST BIOMEDICAL RES 13-SEP-2001. 20 ACCAGCCCGCCGAGAGAGT 39 1 ACCAGCCCGCCGAGAGAGT 20 20; Similarity Ireland JS, Conservative 2000US-0187510 2000US-0206129 (first entry) Location/Qualifiers replace(16,T) /standard_name= "single nucleotide polymorphism" /*tag= 145pp; 33.3%; Lander ES; English ₽P 0; Score 20; Pred. No. Mismatches 0.33; DB 20; 74 0 Length 20 Indels cancers. Mutation 0 Gaps for 0

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Result
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Maximum DB
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Perfect score:
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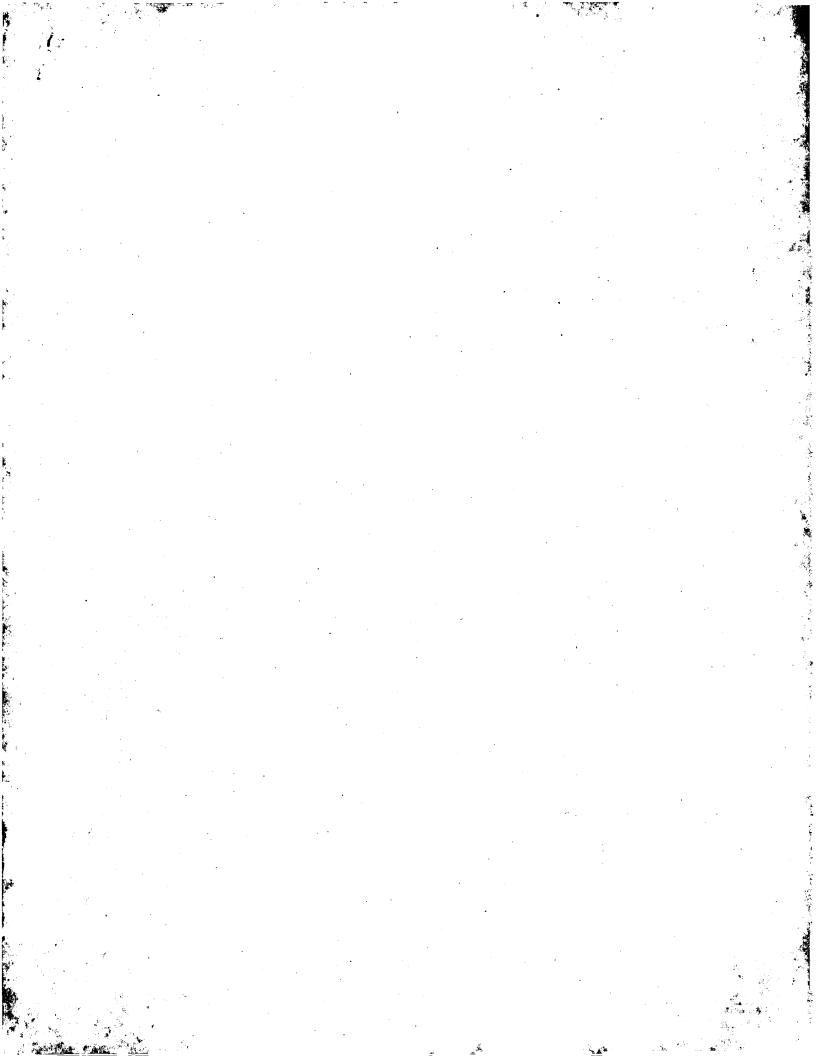
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Match
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AAZ07318
AAI30062
AAF92154
AAQ10624
AAQ19218
AAC80280
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AAV46219
AAV46221
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Wild-type oligo h4
Human Edlomerase R
Human single nucle
Human IGERB allele
HLA Class I locus
Antisense primer f
Reverse primer #10
Human HLA-A primer
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    Mouse and human telomerase RNA gene promoters, useful for tumor specific gene therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  22-OCT-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAZ07255 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAZ07255;
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| 45 | 44 | 43 | 42 | 41 | 40 | 39 | 38 | 37 | 36 | ω 5 | ω 4 | 33 | 32 | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 |
|--------------------|-------------|------------|--------------------|-------------------|--------------------|-------------------|--------------------|----------|------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|--------------------|------------|--------------------|---------------|----------|----------|----------|--------------------|----------|------|-----------|------|-----------|--------|----------|----------|------------|------|--------------------|--------------------|
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | . 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 |
| 28 | 25 | 24 | 24 | 24 | 21 | 21 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 17 | 16 | 16 | 13 | 13 | 13 | 13 | 40 | 39 | 25 | 25 | 24 | 23 | 22 | 21 | 21 | 21 |
| 21 | 24 | 20 | 20 | 18 | 19 | 13 | 24 | 24 | 21 | 21 | 20 | 20 | 20 | 20 | 20 | 19 | 18. | 16 | 19 | 16 | 14 | 23 | 23 | 23 | 23 | 19 | 14 | 24 | 21 | 21 | 21 | 21 | 21 | 20 | 20 |
| AAZ49027 | AAK99908 | AAX88156 | AAX85980 | AAT98137 | AAV60449 | 56 | AAD22794 | AAL38001 | Φ | AAZ98658 | AAV72640 | AAV99432 | AAX26173 | AAX09080 | AAZ17949 | AAV11202 | AAT80030 | AAQ95327 | AAV60461 | AAQ98837 | AAQ48328 | ABC90073 | ABC90072 | ABC88499 | | AAV57697 | | AAK99915 | | 8028 | 80 | 8028 | 028 | 804 | AAX38044 |
| PCR primer for OBM | amylase del | receptor a | PCR primer used to | Primer V-alpha(9) | Fibrinogen-cleavin | Ancrod aptamer. S | Human PKC-alpha an | gon | н | Murine PKC-alpha t | Mouse protein kina | Antisense oligonuc | Fsh05 exon 1 ampli | Tumour necrosis fa | HOX gene specific | Peptide nucleic ac | integrin p | Primer A (Group 1, | ombin-binding | n IL-4 | | | Oligonucleotide SE | | | PDGF rece | W | amylase d | primer | e primer | e primer | rse primer | ä | HLA-A untranslated | HLA-A untranslated |

ALIGNMENTS

ВP

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|-----------|---|---|---|----------------------------|---|----------------------------|---|--------------|---|---------------|---|---------------|------------|---|---|--|---|--|---|---------------------------|--|
| Χ¤ | ž | PA | X | PR | × | PF | × | PD | × | PN | × | 20 | SO | × | KW | Æ | × | DE | × | ΤŒ | |
| Keith WN; | | (CANC-) CANCER RES CAMPAIGN TECHNOLOGY. | | 29-JAN-1998; 98GB-0001902. | | 29-JAN-1999; 99WO-GB00308. | | 05-AUG-1999. | | WO9938964-A2. | | Homo sapiens. | Synthetic. | | gene therapy; thymidine kinase gene; anticancer therapy; human; ss. | Telomerase RNA; TR; promoter; cytotoxin; cancer; neoplasia; hTR; | | Wild-type oligo h41 comprising Sp1 site. | | 22-OCT-1999 (first entry) | |



US/08/685,484

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RESULT 15
US-08-847-108-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Query Match
Best Local Similarity 100.0%; Pred. No. 7.9e+02;
Matches 12; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                              Bequence 18, Applicat
Patent No. 5736336
GENERAL INFORMATION:
APPLICANT: Buchar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 bases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: WordPerfect 6.1
CURRENT APPLICATION DATA:
APPLICATION WMBER: US/08/6
FILING DATE: 24-JUL-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/108,
APPLICATION NUMBER: 08/108,
APPLICATION WMBER: 08/108,
APPLICATION WMBER: 08/108,
APPLICATION WMBER: 08/108,
APPLICATION NUMBER: 08/108,
APPLICATION NUMBER: 08/108,
APPLICATION NUMBER: 08/108,
ANAME: Michael P. Straher
                                                                                                                                APPLICANT: Buchardt et al.

TITLE OF INVENTION: Peptide Nucleic Acids Having Enhanced
TITLE OF INVENTION: Binding Affinity, Sequence Specificity
Lent No. 5736336
TITLE OF INVENTION: and Solubility
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcook Washburn Kurtz Mackiewicz & No. 5736336ris LLP
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
OMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch disk, 1.44 Mb
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LOCATION: 3
OTHER INFORMATION: guanine attached to aminoethyl-lysine
OTHER INFORMATION: .backbone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LOCATION: 16
OTHER INFORMATION:
OTHER INFORMATION:
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OTHER INFORMATION: thymiother Information: backb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Michael P. Straher
REGISTRATION NUMBER: 38,325
REFERENCE/DOCKET NUMBER: ISIS-2270
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: Modified-site LOCATION: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ENGTH: 20 bases
YPE: nucleic acid
TRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE: 215-568-3100
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9 GTTCCCCCCAAC 20
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                                                                                               U.S.A.
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Search completed: June 24, 2003, 16:54:53 Job time : 61.5207 secs

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                                                                                                                                                 NAME/KEY: Modified-site
LOCATION: 16
OTHER INFORMATION: cytosine attached to aminoethyl-lysine
OTHER INFORMATION: backbone
US-08-847-108-18
                                                                                         Query Match
Best Local Similarity
                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 08/686,116
FILING DATE: July 24, 1996
APPLICATION NUMBER: 08/108,591
FILING DATE: 22-NOV-199
ATTORNEY/AGENT INFORMATION:
NAME: MICHAEL P. Straher
REFISTRATION NUMBER: 38,325
REFERENCE/DOCKET NUMBER: ISIS-22
TELECOMMUNICATION INFORMATION:
TELECHONE: 215-568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                       FEATURE:
NAME/KEY: Modified-site
LOCATION: 3
OTHER INFORMATION: guanine attached to aminoethyl-lysine
OTHER INFORMATION: backbone
FEATURE:
NAME/KEY: Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OPERATING SYSTEM: PC-DOS/N
SOFTWARE: WordPerfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/
                                                                                                                                                                                                                                                                 NAME/KEY: Modified-site LOCATION: 11
OTHER INFORMATION: thymiother Information: backt
                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: thymine attached to aminoethyl-lysine OTHER INFORMATION: backbone
                               10 GTTCCCCCCAAC 21
                                                                         12; Conservative
9 GTTCCCCCCAAC 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US/08/847,108
01-MAY-1997
V: 475
                                                                     20.0%; Score 12; DB 1; Le
100.0%; Pred. No. 7.9e+02;
htive 0; Mismatches 0;
                                                                                                                                                                                                                                                                 thymine attached to aminoethyl-lysine backbone
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                                                                                                           Length 20;
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                                                                         Gaps
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ENERAL INFORMATION:

TOOLE, JOHN J.

MHOL

APPLICANT:

BOCK, LOUIS C. GRIFFIN, LINDA LATHAM,

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US-08-686-116A-18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                   Sequence 18, Application US/08686116A Patent No. 5714331
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/787,

PRILING DATE: 06 NOV-1991

ATTORNEY/AGENT INFORMATION:

NAME: GRACEY, NANCY J.

REGISTRATION NUMBER: 28,216

REGISTRATION NUMBER: 28,216
                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: Buchar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NFORMATION FOR SEQ ID NO: . 36: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: PC COMPUTER: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES: 62
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 Page Mill Road
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch disk, 1.44 Mb
COMPUTER: IBM PC compatible
                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5714331ris LLP
STREET: One Liberty Place - 46th Floor
                                                                                                                                                                                                 TITLE OF INVENTION:
TITLE OF INVENTION:
ent No. 5714331
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER: 24
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 813-5600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION:
                                                                                                                                                                     NUMBER OF SEQUENCES:
                                                                                                                                                                                   TITLE OF INVENTION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: FILING DATE:
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                                                                                                  CITY: Philadelphia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY:
                                                               COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ENGTH:
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APTAMER ANALOGS SPECIFIC FOR
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                                                                                                                                                                                                                  Peptide Nucleic Acids Having Enhanced Binding Affinity, Sequence Specificity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20.0%; Score 12; 100.0%; Pred. No.
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8e+02;
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RESULT 14
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                                                                                                                                                                                                                               Patent No. 5719262
GENERAL INFORMATION:
                                                                                                                                                                                                                                               Sequence 18, Application US/08685484 Patent No. 5719262
                                                                                                                                                                                                                                                                                                                                                                                                       Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch disk, 1.44
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 08/108,591 FILING DATE: 22-NOV-1993 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION DATA
                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & STREET: One Liberty Place - 46th Floor
                                                                                                                                                                                  APPLICANT: Buchardt et al.
TITLE OF INVENTION: Peptide Nucleic Acids Having Amino Acid
TITLE OF INVENTION: Side Chains
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FEATURE:
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NAME/KEY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION:
                                                                                                                                                                       NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY:
LOCATION:
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LOCATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: IS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US/08/
FILING DATE: July 24, 1996
                                                                                                                                                                                                                                                                                                                                                                                                                    Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Michael P. Straher REGISTRATION NUMBER: 38,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE:
COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY:
                                                                      COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ENGTH:
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                                                                           U.S.A.
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100.0%; Pr
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                                                                                                                                                                                                                                                                                                                                                                                                                    Score 12; DB 1; L; Pred. No. 7.9e+02;
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RESULT 10
US-08-234-613-23/c
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COMPUTER READABLE FORM:

MEDIUM TYRE: Elopy dick

COMPUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOPTMARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/234,613

FILING DATE:

CLASSIFICATION NUMBER: US/07/744,870

FILING DATE:

APPLICATION NUMBER: US/07/744,870

FILING DATE:

APPLICATION NUMBER: 28,216

REFERENCE/DOCKET NUMBER: 24610-20030.00

TELEPAX: (415) 431-5600

TELEPAX: 706141

INFORMATION FOR SEQ ID NO: 23:

SEQUENCE CHARACTERISTICS:

LENGTH: 17 base pairs

TYPE: nucleic acid

STRANDENESS: single

TOPOLOGY: 11nex
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: TOOLE, JOHN J.
APPLICANT: LATHAM, JOHN
APPLICANT: LATHAM, JOHN
APPLICANT: BCK, LOUIS C.
APPLICANT: GRIFFIN, LINDA C.
TITLE OF INVENTION: APPAMER TARGET ELUTION METHOD NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: PALO ALTO
STATE: CA
CITY: PALO ALTO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 20.0%; Score 12; DB 2; Length 16; Best Local Similarity 100.0%; Pred. No. 8e+02; Matches 12; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 03-JUL-1986
APPLICATION NUMBER: US 06/843,958
FILING DATE: 25-MAR-1986
APPLICATION NUMBER: US 06/799,668
FILING DATE: 19-NOV-1985
ATTORNEY/AGENT INFORMATION:
NAME: FOULKE, Cynthia L.
REGISTRATION NUMBER: 32,364
REFERENCE/DOCKET NUMBER: 2409K7
TELECOMMUNICATION INFORMATION:
TELEPHONE: 908,298-2987
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    23, Application US/08234613
), 5582981
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      linear
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25-MAR-1986
JMBER: US 06/799,668
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RESULT 12
US-08-237-973-36/c
US-08-237-973-36/c
Sequence 36, Application US/08237973
Patent No. 5840867
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TELEFA: 415
TELEFA: 415
TELEEX: 706141
INFORMATION FOR SEQ ID NO: 95
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
TYPE: nucleic scid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-234-613-23
                                                                    Query Match 20.
Best Local Similarity 100
Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 20.0
Best Local Similarity 100.
Matches 12; Conservative
                                                                                                                                                                                                                                                                                 CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/934,387
PILING DATE: 21-AUG-1992
ATTORNEY, AGENT INFORMATION:
NAME: GRACEY, NANCY J.
REGISTRATION NUMBER: 28,216
REFERENCE/DOCKET NUMBER: 2461020022
TELEPONUMUNICATION INFORMATION:
TELEPONE: 415-813-5600
TELEPAX: 415-813-5600
TELEPAX: 415-494-0792
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIDE TYPE: Flopy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, V
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/484,192
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: GRIFFIN, LINDA C.
APPLICANT: ALBRECHT, GLENN
APPLICANT: LATHAM, JOHN
APPLICANT: LEUNG, LAWRENCE
APPLICANT: VERWAAS, ERIC
APPLICANT: TOOLE, JOHN J.
APPLICANT: TOOLE, JOHN J.
TITLE OF INVENTION: APTAMERS SPECIFIC FOR BIOMOLECULES AND TITLE OF INVENTION: METHODS OF MAKING
NUMBER OF SEQUENCES: 181
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: PALO ALTO
STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION:
16 CCCAACCAGCCC 27
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5756291
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100.0%; Pred. No. 8e
ative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 12; DB 1; Pred. No. 8e+02;
                                                                                                                                                                                                                                                                                                                                           246102002221
                                                                                         DB 1;
8e+02;
                                                                                                       Length 17
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                                                                        Indels
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Length 16; Indels

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Gaps

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US-08-704-744-10
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                                                                                                                                                                                                                                                                                                                                                                       ZIP: 07033-0530

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Macintosh 6.0.5
SOFTWARE: Microsoft Word 5.1A
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
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                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/290,793
PILING DATE: AUGUSE 16, 1994
APPLICATION NUMBER: PCT/US93/01301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid STRANDEDNESS: sing TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Match 20.0%; Score 12; Local Similarity 100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: FILING DATE: 06-JUN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET:
                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION:
                                                    APPLICATION NUMBER: US U
                                                                                        FILING DATE:
                                                                                                                    FILING DATE: 21-MAY-1990
APPLICATION NUMBER: PCT/1
FILING DATE: 21-OCT-1988
                                                                                                                                                                 FILING DATE: 24-OC
APPLICATION NUMBER:
                                                                                                                                                                                                                              FILING DATE: 19-FEE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE:
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                                          APPLICATION NUMBER:
                                                                                                                                                                                 APPLICATION NUMBER: US 07/782,784
FILING DATE: 24-OCT-1991
                                                                                                                                                                                                                      'ILING DATE:
                                                                                                       PPLICATION NUMBER: US 07/655,966
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New Jersey
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3: Schering-Plough Corporation
2000 Galloping Hill Road
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Murgolo, Michael Nouyen, Hanh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Zavodny, Paul
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Miller, Kenneth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               : (908) 298-2987
(908) 298-5388
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Tindall, Stephen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Dalie, Barbara
                                                                                                                                                                                                                                                                                                                                           06-JUN-1995
                                                                                                                                                                                                               UMBER: US 07/841,659
19-FEB-1992
                                                                                        14-FEB-1991
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                          03-JUL-:
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Humanized Monoclonal Antibodies
Against Human Interleukin-4
69
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                                          US 06/881,553
                                                                                                                                     PCT/US88/0363:
                                                                                                                                                                    US 07/499,327
                                                                                                                                                                                                                                                                                                                                                           US/08/469,557
                                                                          US 07/113,623
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US-08-290-793B-10/c
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Patent No.
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Best Local Similarity
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
                                                                                                                                                                                                                  APPLICATION NUMBER: US/08/290,793B
FILING DATE: AUGUST 16,1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/01301
                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Macinto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
                                                                                                                                                                                                                                                                            SOFTWARE: Microsoft Word 5.1A
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELECOMMUNICATION INFORMATION: TELEPHONE: 908 298-2987
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                           CTTY: Kenilworth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER:
                                     FILING LALL.
APPLICATION NUMBER: US US OF THE TABLE 14-FEB-1991
                                                                                                                                                                                   FILING DATE: 19-FEB-1992
APPLICATION NUMBER: US 0
                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY:
                                                                                                      APPLICATION NUMBER: US 07
                                                                                                                                     APPLICATION NUMBER: FILING DATE: 24-OCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE:
                                                                      APPLICATION NUMBER: PCT/FILING DATE: 21-OCT-1988
                                                                                                                                                                                                                 APPLICATION NUMBER:
                            APPLICATION NUMBER:
                                                                                                                                                                        ILING DATE:
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                                                                                                                                                                                                                                                                                                                                                                                                           New Jersey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Application US/08290793B
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2000 Galloping Hill Road
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Murgolo, Nicholas
Nguyen, Hanh
Tindall, Stephen
                                                                                                                                                                                                                                                                                                                                                                                              USA
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Miller, Kenneth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Dalie,
NUMBER:
                                                                                                                                  UMBER: US 07/782,784
24-OCT-1991
                                                                                                                                                                    19-FEB-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Cynthia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Barbara
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20.0%;
                                                                                                                                                                                                                                                                                                               Macintosh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Against Human Interleukin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Cloning and Expression of Humanized Monoclonal Antibodies
                          US 07/113,623
                                                                                                                        US 07/499,327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US 06/799,668
                                                                                          PCT/US88/03631
                                                                                                                                                                                   US 07/841,659
US 06/881,553
                                                           07/655,966
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
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8e+02;
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; MOLECULE TYPE: DNA (genomic)
PCT-US92-10359-1
                                                                                                                                                                                                                                                                                                                                                  ESULT 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 21.7%; Score 13; Best Local Similarity 100.0%; Pred. No. Matches 13; Conservative 0; Mismatc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION UNMBER: US 07/801,795
FILING DATE: 02-DEC-1991
ATTORNEY_AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 12418-18
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       guence 1, Application PC/TUDYZIUJI
ENERAL INFORMATION:
APPLICANT: Ramakrishnan, Vanitha
APPLICANT: Escobedo, Maria A.
APPLICANT: Fretto, Larry J.
TITLE OF INVENTION: Inhibitory Immunoglobulin Polypeptides
TITLE OF INVENTION: to Human PDGF Beta Receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIF: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Pacentin Release #1.0, Version #1.25
CURRENT APPLICATION UNMBER: PCT/US92/10359
PILLING DATE: 19921201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 40 base pairs
                                                                                             ERAL ANCOUNTY Dalle, Barback
PPLICANT: Miller, Kenneth
APPLICANT: Murgolo, Nicholas
APPLICANT: Tindall, Stephen
APPLICANT: Tindall, Stephen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRANDEDNESS: si
TOPOLOGY: linear
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STREET: One Market plaza, Steuart Tower, Suite 2000
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                   19 AATTTCCCGTTCC 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 AATTTCCCGTTCC 14
07033-0530
                                         New Jersey
                                                                                                                                                                                                                                                                                                                                     Application US/08208886C
                                                                                   E: Schering-Plough Corporation 2000 Galloping Hill Road
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 40;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0;
                               COMPUTER READBLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: Apple Macintosh

ODERATING SYSTEM: Macintosh

ODERATING SYSTEM: Macintosh

ODERATING SYSTEM: Macintosh

OTHERST APPLICATION DATA:
APPLICATION UMBER: US/08/704,744

FILING DATE: 06-SEPT-1996

CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION OF MAR-1994

APPLICATION UMBER: US/08/20400

FILING DATE: 08-MAR-1995

ATTORNEY/AGENT INFORMATION:
NAME: FOULKE, Cynthia L.

REGISTRATION UMBER: 32.364

REGISTRATION UMBER: 32.364
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION: 424
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRANDEDNESS: single TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: USA
ZIP: 07033-0530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OPERATING SYSTEM:
LECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DDRESSEE:
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FILING DATE:
ATTORNEY/AGENT INFORMATION:
ATTORNEY/AGENT INFORMATION:
NAME: FOULKe, CYPITHIA L.
REGISTRATION NUMBER: 32,364
REGISTRATION NUMBER: JB04
TELECOMMUNICATION INFORMATION:
TELEPHONE: 908 298 798
TELEPAX: 908 298 7388
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic seid!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                              Application US/08704744
E: Schering-Plough Corporation
2000 Galloping Hill Road
                                                   Murgolo, Nicholas
Tindall, Stephen
VENTION: Humanized Monoclonal Antibodies Against Human Interleukin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               March 10, 1994
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ople Macintosh
                                                                                                                                                                                                                                                                                                                                                                                  20.0%; Pr
100.0%; Pr
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COMPUTER READABLE FORM: MEDIUM TYPE: Floppy

Floppy disk

COUNTRY:

02210

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

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Best Local Similarity
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Patent No. 5990092
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PILING DATE: 06-SEP-1996
ATTORNEY/AGENT INFORMATION:
NAME: Plumer, Elizabeth R.
REGISTRATION NUMBER: 36,637
REFERENCE/DOCKET NUMBER: 8123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-720-5500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                     PILING DATE:

CLASSIFICATION: 514
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/025,574
PILING DATE: 06-SEP-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
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HYPOTHETICAL:
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APPLICATION NUMBER: 1
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                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield,
                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: GATA-6 TRANSCRIPTION FACTOR: COMPOSITIONS AND METHODS NUMBER OF SEQUENCES: 10
TELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
              NAME: Plumer, Elizabeth R.
REGISTRATION NUMBER: 36,637
REFERENCE/DOCKET NUMBER: S1:
                                                                                                                                                                    APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                         COUNTRY:
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                                                   Query Match
                                                                                                                                                                                 TELEPHONE: (415) 326-2400
TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: 617-720-2441
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
NAME: Karen B. Dow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ANTI-SENSE: NO
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                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
                                                                                           HYPOTHETICAL:
                                                                                                       MOLECULE TYPE:
                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                           APPLICATION NUMBER: FILING DATE: 10 JUN CLASSIFICATION: 424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                         Local
                                                                                                                                                                                                                                        NAME: Karen B. Dow REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                 ZIP:
                                                                                                                                                                                                                                                                                                                                                                                                                            STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TLE OF INVENTION: TO HUMAN PGDF BETA RECEPTOR
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                                                                                                                      TOPOLOGY:
                                                                                                                                STRANDEDNESS:
                                                                                                                                            TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FOPOLOGY:
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                                         Similarity
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                            Conservative
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                                                                                                       CDNA
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                       21.7%; 5c.
100.0%; Pr
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                           Score 13; DB 1; L; Pred. No. 2.2e+02; 0; Mismatches 0;
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Sequence 17, Appl
Sequence 19, Appl
Sequence 19, Appli
Sequence 6, Appli
Sequence 6, Appli
Sequence 2, Appli
Sequence 5, Appli
Sequence 21, Appli
Sequence 212, App
Sequence 25, Appli
Sequence 317, App
Sequence 387, App
Sequence 387, App
Sequence 10, App
Sequence 11, App
Sequence 14, Appli
Sequence 17, App

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Total number of hits satisfying
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  seq length: 0
seq length: 50
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Match
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Gapop 60.0 , Gapext 60.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Issued_Patents_NA:*

| Cgm2_6/ptodata/2/ina/5A_COMB.seq:*
| Cgm2_6/ptodata/2/ina/5B_COMB.seq:*
| Cgm2_6/ptodata/2/ina/6A_COMB.seq:*
| Cgm2_6/ptodata/2/ina/6B_COMB.seq:*
| Cgm2_6/ptodata/2/ina/PCTUS_COMB.seq:*
| Cgm2_6/ptodata/2/ina/backfIles1.seq:*
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                             US-09-103-875-129
US-08-927-394-8
US-08-927-394-8
US-08-928-283-1
PCT-US92-10359-1
US-08-208-886C-1
US-08-208-704-744-10
US-08-208-704-744-10
US-08-208-704-713-23
US-08-208-704-713-23
US-08-685-713-33
US-08-685-713-33
US-08-685-7138-31
US-08-887-7193-36
US-08-887-7193-36
US-08-887-7193-36
US-08-887-7193-31
US-08-887-7193-18
US-08-887-7193-718
US-08-887-718-31
US-08-488-718-31
US-08-488-718-31
US-08-488-718-718
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Sequence 129, Appli
Sequence 7, Appli
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Sequence 10, Appli
Sequence 10, Appl
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Sequence 18, Appl
Sequence 10, Appl
Sequence 10, Appl
Sequence 11, Appl
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Sequence 23, Appli
Sequence 24, Appl
Sequence 31, Appl
Sequence 31, Appl
Sequence 31, Appl
Sequence 31, Appl
Sequence 34, Appl
Sequence 34, Appl
Sequence 44, Appl
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                                                                                                                                                                                                                                                                                                                    Sequence 129 Application US/09103875A
PATERIAL INFORMATION:
APPLICANT: SZyf, Moshe
APPLICANT: SZyf, Moshe
APPLICANT: Bigey, Pascal
APPLICANT: OF INVENTION: DNA METHYLTRANSFERASE GENOMIC SEQUENCES
TITLE OF INVENTION: OLICONUCLEOTIDES
FILE REFERENCE: 106101.194
CURRENT APPLICATION NUMBER: US/09/103,875A
CURRENT APPLICATION NUMBER: 60/069,865
EARLIER APPLICATION NUMBER: 08/866,340
EARLIER APPLICATION NUMBER: 08/866,340
EARLIER FILING DATE: 1997-05-30
NUMBER: OSEQID NOS: 138
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 129
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Syntones
                                                                                                                        RESULT 2
US-08-927-394-8/c
Sequence 8, Application US/08927394
Patent No. 5590092
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 1
US-09-103-875-129/c
""" ance 129/ Application US/09103875A
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Best Local S
Matches 13
 APPLICANT:
TITLE OF INVENTION: GATA-6 TRANSCRI
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSES: Wolf, Greenfield, & Sa
STREET: 600 Atlantic Avenue
CITY: Boston
STATE: MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               28 GCCCGAGAGAGTG 40
                                                                                                               INFORMATION:
                                                                                                                                                                                                                 15 GCCCGAGAGAGTG 3
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                                                                                    GATA-6 TRANSCRIPTION FACTOR:
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US-09-292-435A-1
US-09-813-781-119
US-09-813-781-119
US-07-601-094-6
US-08-012-735-6
US-08-435-628-2
US-08-435-628-2
US-08-435-628-2
US-08-313-628-212
US-08-313-628-212
US-08-313-628-212
US-08-313-628-213
US-08-313-628-213
US-08-313-628-213
US-08-313-628-213
US-08-313-932-387
US-09-186-186-121
US-09-186-186-121
US-09-138-347-4
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                                             Sacks, P.C.
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RESULT 15
US-10-098-263B-24180/c
IS-10-098-263B-24180, Application US/10098263B
Sequence 24180, Application US/10098263B
Publication No. US20030104410A1
GENERAL INFORMATION: Human Microarray
ITILE OF INVENTION: Human Microarray
FILE REFERINCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT PILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
INMEDIANCE: MICROARRAPH MICROARRA
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Search completed: June 24, 2003, 20:39:34 Job time: 733.909 secs
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25 CTCTCACGAGAG 14
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25 CTCTCACGAGAG 14
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RESULT 11
US-09-419-076-1/c
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US-09-932-300-66
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-419-076-1
                                                                                                                                        GENERAL INFORMATION:
APPLICANT: GARVER, Eric
APPLICANT: TU, Guang-Chou
APPLICANT: ISRAEL, Yedy
TITLE OF INVENTION: METHODS OF INHIBITING
FILE REFERENCE: 9855-3U2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 1, Application US/09419076 Patent No. US20020009443A1
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APPLICANT: Fretto, Larry J.

APPLICANT: Fretto, Larry J.

APPLICANT: Fretto, Larry J.

TITLE OF INVENTION: Beta Receptor

FILE REFERENCE: 44481-5017-04-05

CURRENT APPLICATION NUMBER: US/09/419,076

CURRENT FILING DATE: 1999-10-15

PRIOR APPLICATION NUMBER: US 07/801,795

PRIOR PILING DATE: 1991-12-02

PRIOR APPLICATION NUMBER: US 08/253,440

PRIOR PILING DATE: 1994-06-07-08-391
NUMBER OF SEQ ID NOS: 111
                        CURRENT APPLICATION NUMBER: US/09/932,300 CURRENT FILING DATE: 2001-08-20 PRIOR APPLICATION NUMBER: US 60/051,705 PRIOR FILING DATE: 1997-07-03 PRIOR APPLICATION NUMBER: US 09/109,663 PRIOR FILING DATE: 1998-07-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS:
SOFTWARE: Patentin Ve
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PRIOR APPLICATION NUMBER:
PRIOR FILING DATE: 1994-0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: Oligonucleotide for creating PDGF b OTHER INFORMATION: gene deletion mutants
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HYPOTHETICAL: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
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Pred. No.
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RESULT 14
US-10-098-263B-24179/c
; Sequence 24179, Application US/10098263B
; Publication No. US20030104410A1
; Publication No. US20030104410A1
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US-10-016-149-62/c
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                                                                  ; ORGANISM: Homo sapien 
US-10-098-263B-24179
                                                                                               FILE REFERENCE: 3118.1
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 24179
LENGTH: 25
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQ ID NOS: 84
SEQ ID NO 62
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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SEQ ID NO 66
LENGTH: 20
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APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
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Best Local Similarity
Matches 12; Conserv
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                                   Query Match
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CURRENT APPLICATION NUMBER: US/10/016,149
CURRENT FILING DATE: 2001-11-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Jacqueline Wyatt
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPASE A2, GROUP V (CA2+-
TITLE OF INVENTION: DEPENDENT) EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: C. Frank Bennett APPLICANT: Jacqueline Wyat
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: Antisense Oligonucleotide
   Local Similarity 100
les 12; Conservative
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Pred. No.
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US-10-09-263B-8500
US-10-098-263B-8500
Sequence 8500, Application US/10098263B
Publication No. US20030104410A1
GENERAL INFORMATION:
APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT PILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR APPLICATION N
                                                                                   RESULT 9
US-09-971-611-37/c
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US-10-098-263B-24815/c
US-10-098-263B-24815, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; GENERAL INFORMATION:

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; ORGANISM: Homo sapien
US-10-098-263B-8500
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US-10-098-263B-24815
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Best Local S
Matches 13
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TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 318.1
CURRENT PAPPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 24815
LENGTH: 25
Sequence 37, Application US/09971611 Patent No. US20020123124A1 GENERAL INFORMATION:
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Best Local
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Best Local Similarity
Matches 13; Conserv
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12 CTCACGAGAGCCG 24
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l Similarity 100.0%; Pred. No. 3.9e+02;
13; Conservative 0; Mismatches 0;
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13; Conserv
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APPLICANT: OZAKI, KATSUYAK
TITLE OF INVENTION: HIGHLY PRODUCTIVE ALPHA-AMYLASES
FILE REFERENCE: 214377US0
CURRENT APPLICATION NUMBER: US/09/971,611
CURRENT FILING DATE: 2001-10-09
PRIOR APPLICATION NUMBER: JP 2000/310605
PRIOR APPLICATION NUMBER: JP 2000/310605
PRIOR FILING DATE: 2001-10-11
NUMBER OF SEQ ID NOS: 51
SOPTWARE: PATENTIN VERSION 3.1
SEQ ID NO 37
LENGTH: 25
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          COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC COMPATIBLE

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION NUMBER: US/09/003,810

FILING DATE: 07-Jan-1998

CLASSIFICATION: AUTHORNAM

PRIOR APPLICATION NUMBER: 08/250,283

FILING DATE: «Unknown»

PRIOR APPLICATION NUMBER: 08/250,283

FILING DATE: «Unknown»

APPLICATION NUMBER: 09/804

TELEPACE: KAYEN B. Dow

REGISTRATION NUMBER: 29,684

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 326-2400

TELEPHONE: (415) 326-2400

TELEPHONE: 40 base pairs

TYPE: nuclaic acid

TYPE: nuclaic acid

TYPE: nuclaic acid

TORDANDENSES: single
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US-09-003-810-1/c
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Best Local S
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Matches
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APPLICANT: ENDO, KEIJI
APPLICANT: HAOIHARA, HIROSHI
APPLICANT: IGARASHI, KAZUAKI
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ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: INHIBITORY IMMMUNOGLOBULIN POLYPEPTIDES TO HUMAN PGDF BETA RECEPTOR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: Townsend and Townsend Khourie and Crew STREET: 379 Lytton Avenue CITY: Palo Alto STATE: California
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IAYASHI, YASUHIRO
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Fretto, Larry J
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; ORGANISM: Homo sapiens
US-09-964-261-199
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; ORGANISM: Homo sapiens
US-09-964-261-200
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SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 199
LENGTH: 21
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FILLE REFERENCE: IGJ-002
CURRENT APPLICATION NUMBER: US/09/964,261
CURRENT FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: EP 99870068.6
PRIOR FILING DATE: 1999-04-09
PRIOR APPLICATION NUMBER: US 60/138,614
PRIOR FILING DATE: 1999-06-11
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CURRENT APPLICATION NUMBER: US/09/964,261
CURRENT FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: EP 99870068.6
PRIOR FILING DATE: 1999-04-09
PRIOR APPLICATION NUMBER: US 60/138,614
PRIOR FILING DATE: 1999-06-11
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CURRENT FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: EP 99870068.6
                                                                                                                                                APPLICANT: ROSSAU, RUDI
TITLE OF INVENTION: METHOD FOR THE AMPLIFICATION OF HLA CLASS I ALLELES
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APPLICANT: Rombout, Annelles
APPLICANT: Rossau, Rudi
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PRIOR APPLICATION NUMBER: US 60/138,614
PRIOR FILING DATE: 1999-06-11
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TITLE OF INVENTION: METHOD FOR THE AMPLIFICATION OF HLA CLASS I ALLELES
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100.0%; Pred. No. 4e-
Live 0; Mismatches
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US-09-964-261-202
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; ORGANISM: Homo sapiens
US-09-964-261-203
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Best Local Similarity
Matches 13; Conserv
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SEQ ID NO 202
LENGTH: 24
TYPE: DNA
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SEQ ID NO 201
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Best Local Similarity 100.0%;
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                                                                              SEQ ID NO 203
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CURRENT FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: EP 99870068.6
PRIOR FILING DATE: 1999-04-09
PRIOR APPLICATION NUMBER: US 60/138,614
PRIOR FILING DATE: 1999-06-11
                                                                                                                                                                                                                                                                        APPLICANT: De Canck, Ilse
APPLICANT: Rombout, Annelles
APPLICANT: Rossau, Rudi
APPLICANT: ROSSAU, RUDI
APPLICANT: ROSSAU, RUDI
APPLICANTION: METHOD FOR THE AMPLIFICATION OF HLA CLASS I ALLELES
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APPLICANT: Rombout, Annelles
APPLICANT: Rossau, Rudi
TITLE OF INVENTION: METHOD FOR THE AMPLIFICATION OF HLA CLASS I ALLELES
FILE REFERENCE: IGJ-002
                                                                                               PRIOR APPLICATION NUMBER: US 60/138,614
PRIOR FILING DATE: 1999-66-11
NUMBER OF SEQ ID NOS: 446
SOFTWARE: PatentIn Ver. 2.1
                                                                                                                                                                                                                   FILE REFERENCE: IGJ-002
CURRENT APPLICATION NUMBER: US/09/964,261
CURRENT FILING DATE: 2001-09-25
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                                                                                                                                                                           PRIOR APPLICATION NUMBER: EP 99870068.6 PRIOR FILING DATE: 1999-04-09
                                       LENGTH: 25
TYPE: DNA
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100.0%; Pred. No.
tive 0; Mismatc
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Total number of hits satisfying
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1: /cgn2 6/ptodata/2/pubpna/US07 PUBCOMB.seq:*

2: /cgn2 6/ptodata/2/pubpna/ECT NEW PUB.seq:*

3: /cgn2 6/ptodata/2/pubpna/US06_PUBCOMB.seq:*

4: /cgn2 6/ptodata/2/pubpna/US06_PUBCOMB.seq:*

5: /cgn2 6/ptodata/2/pubpna/US07 NEW PUB.seq:*

6: /cgn2 6/ptodata/2/pubpna/US08_PUBCOMB.seq:*

6: /cgn2 6/ptodata/2/pubpna/US08_PUBCOMB.seq:*

7: /cgn2 6/ptodata/2/pubpna/US08_PUBCOMB.seq:*

9: /cgn2 6/ptodata/2/pubpna/US09_PUBCOMB.seq:*

10: /cgn2 6/ptodata/2/pubpna/US09_PUBCOMB.seq:*

11: /cgn2 6/ptodata/2/pubpna/US10_PUBCOMB.seq:*

13: /cgn2 6/ptodata/2/pubpna/US10_PUBCOMB.seq:*

13: /cgn2 6/ptodata/2/pubpna/US10_PUBCOMB.seq:*

14: /cgn2 6/ptodata/2/pubpna/US10_PUBCOMB.seq:*

14: /cgn2 6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
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US-09-917-611-37
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Sequence 200, App
Sequence 201, App
Sequence 201, App
Sequence 202, App
Sequence 203, App
Sequence 24815, Appl
Sequence 1, Appl
Sequence 1, Appl
Sequence 62, Appl
Sequence 62, Appl
Sequence 24189, A
Sequence 24180, A
Sequence 241810, A
Sequence 40333, A
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US-09-564-261-198/c

US-09-564-261-198/c

Sequence 198, Application US/09964261

Publication No. US20020197613A1

GENERAL INFORMATION:

APPLICANT: De Canck, Ilse

APPLICANT: Rossau, Rudi

TITLE OF INVENTION: METHOD FOR THE AMPLIFICATION OF HLA CLASS I ALLELSS

FILE REFERENCE: IGJ-002

CURRENT APPLICATION NUMBER: US/09/964.261

CURRENT FILING DATE: 2001-09-25

PRIOR APPLICATION NUMBER: US 99870068.6

PRIOR FILING DATE: 1999-04-09

PRIOR PRIOR DATE: 1999-06-11

NUMBER OF SEQ ID NOS: 446

SOFTWARE: PATENTIN DATE: 1999-06-11

PRIOR FILING DATE: 1999-06-11

PRIOR FILING DATE: 1999-06-11

PRIOR PRIOR DATE: 1999-06-11

PRIOR FILING DATE: 1999-06-11

PRIOR PRIOR DATE: 1999-06-11

PRIOR DATE: 1999-06-11
RESULT 2
US-09-964-261-199/c
; Sequence 199, Application US/09964261
; Publication No. US20020197613A1
; GENERAL INFORMATION:
; APPLICANT: De Canck, Ilse
; APPLICANT: Rombout, Annelles
; APPLICANT: Rossau, Rudi
; TITLE OF INVENTION: METHOD FOR THE AMPLIFICATION OF HLA CLASS I ALLELES
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Best Local Similarity 100.0%; F
Matches 13; Conservative 0;
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US-10-098-263B-9760

) US-10-098-263B-976702

) US-10-098-263B-99417

) US-10-098-263B-11016

) US-10-098-263B-117410

US-10-098-263B-117410

US-10-098-263B-117410

US-10-098-263B-117410

US-10-163-552-1392

US-09-970-533A-1150

9 US-09-780-533A-1151

9 US-09-780-533A-135

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9 US-09-930-423-288

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Pred. No.
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Minimum DB Maximum DB

Word size

Scoring table: Sequence: Title: Perfect score: OM nucleic -

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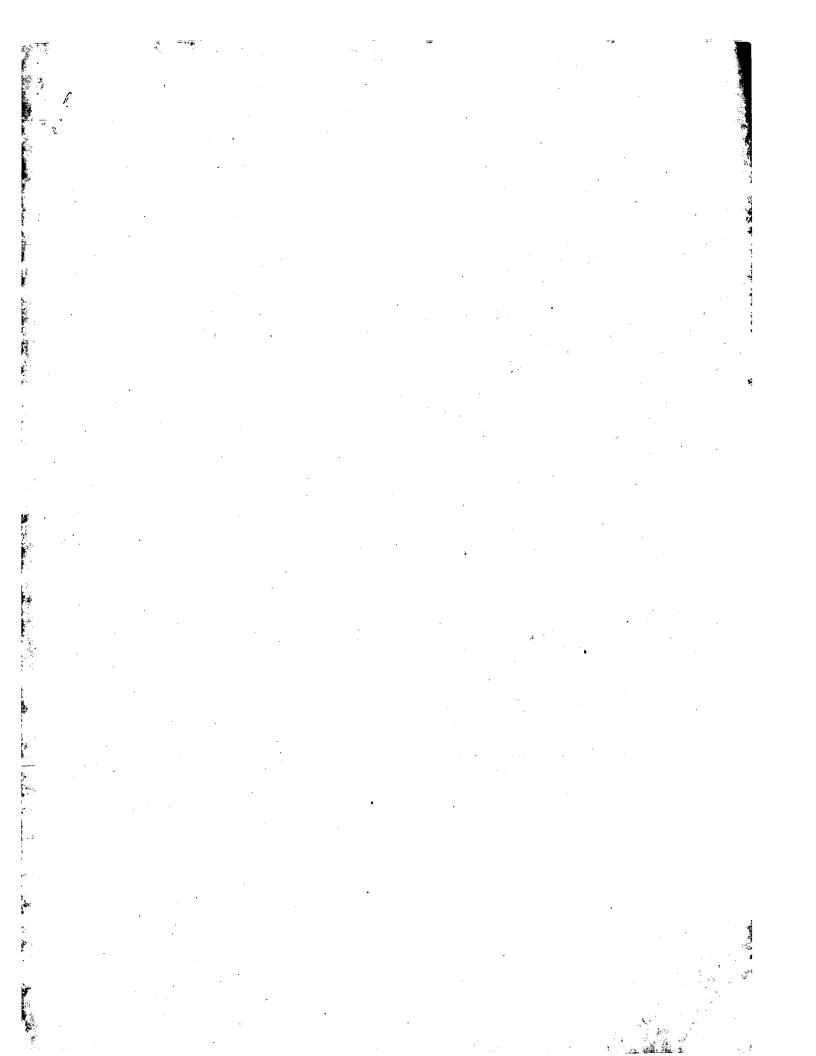
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APPLICANT: Michael Mittmann

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US-60-353-987-314865
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                                              CURRENT APPLICATION NUMBER: US/60/353,987
CURRENT FILING DATE: 2002-02-01
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 314865
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 41222, Application US/09396196G GENERAL INFORMATION:
                                                                                                                                          Sequence 31865, Application US/60353987
GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
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Best Local Similarity
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SEQ ID NO 41222
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CURRENT FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
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TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
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PRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
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SOFTWARE: FastSEQ for Windows Version 4.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Affymetrix, Inc. ITLE OF INVENTION: Methods
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ORGANISM: Mus musculus
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QRGANISM: Homo sapien
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                     CYPE: DNA
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Pred. No.
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CURRENT FILING DATE: 2002-02-01
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 952021
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SOPTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 847501
Sequence 1530, Application PC/TUS0225940
GENERAL INFORMATION:
APPLICANT: Feldmann, Richard J., Global Determinants, Inc.
APPLICANT: Feldmann, Richard J., Global Determinants, Inc.
TITLE OF INVENTION: Deinococcus radiodurans R1 complete genome, Plasmi
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: PCT/US02/25940
CURRENT APPLICATION PATE: 2002-08-27
NUMBER OF SEQ ID NOS: 25502
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CURRENT APPLICATION NUMBER: US/60/353,987
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Homo sapien
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TYPE: DNA
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100.0%; Pred. No.
Live 0; Mismato
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Pred. No.
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. 2.9e+03;
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2.9e+03;
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Sequence 32839, Application US/09956584

GENERAL INFORMATION:

APPLICANT: Mitchael

TITLE OF INVENTION: Methods of Genetic Analysis of Mus Musculus
FILE REFERENCE: 3115.1

CURRENT APPLICATION NUMBER: US/09/956,584

CURRENT FILING DATE: 2001-09-19

FRIOR APPLICATION NUMBER: 60/234,017

PRIOR APPLICATION NUMBER: 60/234,017

PRIOR FILING DATE: 2000-09-20

NUMBER OF SEQ ID NOS: 605887

SOPTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 328898
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 5
US-60-234-017-339051
; Sequence 339051, Application US/60234017
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                 US-09-956-584-328898
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TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
CURRENT PELICATION NUMBER: US/60/353,987
CURRENT FILING DATE: 2002-02-01
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 351034
LENGTH: 25
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CURRENT APPLICATION NUMBER: US/60/234,017
CURRENT FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605887
SOPTWARE: PASSEQ for Windows Version 4.0
SEQ ID NO 339051
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Homo sapien
-60-353-987-351034
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PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank AA982370
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APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of Mus
TITLE OF INVENTION: musculus
                                                                                                                                                                                                                                                                                                                                                                  36 GAGTGACTCTCACGAG 51
                                                                                                                                                                                                                                                                                                                                              18 GAGTGACTCTCACGAG 3
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17; Conserv
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16; Conserv
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100.0%; Pred. No. 57;
ative 0; Mismatches 0
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US-60-353-987-448107
US-60-353-987-448107
Sequence 448107, Application US/60353987
Sequence 448107, Application US/60353987
GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/60/353,987
CURRENT FILING DATE: 2002-02-01
NUMBER OF SEQ ID NOS: 997516
SEQ ID NO 448107
SEQ ID NO 448107
LENGTH: 25
TANNA
      RESULT 10
US-09-36-196F-41222
; Sequence 41222, Application US/09396196F
; GENERAL INFORMATION:
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; PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank AA982370
US-60-234-017-339061
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; ORGANISM: Mus musculus
US-09-956-584-328898
                                                                                                                                                                                                                                                                                 ; ORGANISM: Homo sapien 
US-60-353-987-448107
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US-60-234-017-339061
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CURRENT FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605897
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 339061
LENGTH: 25
TYPE: Non.
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Best Local Similarity luv.
15; Conservative
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Best Local Similarity
Matches 15; Conserv
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Best Local
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TITLE OF INVENTION: Methods of TITLE OF INVENTION: musculus
FILE REFERENCE: 3115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Mittmann, M
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                                                                                                                                                                                                     Conservative
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100.0%; Pred. No. 7.8e+0
tive 0; Mismatches
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100.0%; Pred. No. 7.8e+02
:ive 0; Mismatches 0
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RESULT 1
US-09-601-267-62
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US-09-956-584-328887
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OTHER INFORMATION: Description of Artificial Sequence:
OTHER INFORMATION: Oligonucleotide
US-09-601-267-62
Sequence 328887, Application US/09956584
GENERAL INFORMATION:
APPLICANT: Mittman, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Mus |
FILE REFERENCE: 3115.1
CURRENT APPLICATION UMBER: US/09/956,584
CURRENT FILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 60/234,017
PRIOR FILING DATE: 2000-09-20
                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: GB 9801902.9
PRIOR FILING DATE: 1998-01-29
NUMBER OF SEQ ID NOS: 86 .
SOPTWARE: PatentIn Ver. 2.1
SEQ ID NO 62
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 62, Application US/09601267
GENERAL INFORMATION:
APPLICANT: William Nicol KEITH
TITLE OF INVENTION: Promoter Regions of the Mouse and Human Telomerase RNA Component
                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                    Matches
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CURRENT APPLICATION NUMBER: US/09/601,267
CURRENT FILING DATE: 1999.01-29
PRIOR APPLICATION NUMBER: PCT/GB99/00308
PRIOR FILING DATE: 1999-01-29
PRIOR FILING DATE: 1999-01-29
                                                                                                                                                                                                                                                                                                                               LENGTH: 20
TYPE: DNA
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2 US-10-227-563 17149
2 US-10-227-563 17149
2 US-10-227-563 18156
3 US-10-005-626A-33
0 US-09-777-525-129
5 US-09-766-189B-200
1 US-08-766-189B-202
1 US-08-766-189B-202
1 US-08-766-189C-202
2 US-08-99-290-200
2 US-08-99-290-200
2 US-08-99-290-200
3 US-08-99-290-200
3 US-08-99-290-200
5 US-08-99-290-200
6 US-08-99-290-200
6 US-08-994-261-199
US-08-472-801-626
0 US-09-944-261-200
0 US-08-668-235-626
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; Pred. No.
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PCT-US02-25940-17149
PCT-US02-25940-18156
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PCT-US02-25940-22043
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                                                                  Musculus
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Sequence 198, App
Sequence 199, App
Sequence 200, App
Sequence 199, App
Sequence 625, App
Sequence 625, App
Sequence 626, App
Sequence 627, App
Sequence 628, App
Sequence 628, App
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Sequence 22043, A
Sequence 17148, A
Sequence 17149, A
Sequence 18156, A
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Sequence 22043,
Sequence 18174,
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Sequence 17149, A
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US-09-956-584-328890
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                                                                                                     ; DATABASE ACCESSION NUMBER: US-60-234-017-339049
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US-60-234-017-339049
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                                                     Query Match
Best Local S
Matches 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: 60/234,017
PRIOR FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605887
SOFTWARE: Microarray Probe Sequence Listing Generator V
SEQ ID NO 328890
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 328890, Application US/09956584
GENERAL INFORMATION:
APPLICANT: Mittman, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Mus Musculus
FILE REPERSNCE: 3115.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 605887

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 328887

LENGTH: 25

TYPE: DNA

ORGANISM: Mus musculus
                                                                                                                                                                                                                                                                                                     Sequence 339049, App
GENERAL INFORMATION:
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Best Local 9
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CURRENT FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605887
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                        APPLICANT: Mittmann, M
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: methods of Genetic Analysis of Mus
TITLE OF INVENTION: musculus
FILE REFERENCE: 3115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/09/956,584
CURRENT FILING DATE: 2001-09-19
                                                                                                                            ORGANISM: Mus musculus PUBLICATION INFORMATION:
                                                                                                                                                     LENGTH: 25
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 25
TYPE: DNA
                    33 AGAGAGTGACTCTCACG 49
                                                                                                                                                                                                                                                                                                                                                                                                       33 AGAGAGTGACTCTCACG 49
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17; Conserv
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                                                                 Similarity
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      AGAGAGTGACTCTCACG
                                                                                                                                                                                                                                                                                                                                                                                 AGAGAGTGACTCTCACG
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                                                      Conservative
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                                                 28.3%; Pr
100.0%; Pr
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                                                      Score 17; DB; Pred. No. 57; 0; Mismatches
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Pred. No.
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57
                                                                   57
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                                                      Indels
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Gaps

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Title: Perfect score: Sequence:

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Scoring table:

Word size :

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Minimum DB seq length: 0 Maximum DB seq length: 50
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Gapop 60.0 , Gapext 60.0
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(without alignments)
581.357 Million cell updates/sec
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                                         n2_6/ptodata/2/pna/US016_COMB.seq:*
n2_6/ptodata/2/pna/US016_COMB.
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No.
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Match
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/ cgn2_6/ ptodata/2/pna/US6005_COMB.seq:
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/ cgn2_6/ ptodata/2/pna/US6005_COMB.seq:
/ cgn2_6/ ptodata/2/pna/US6010_COMB.seq:
/ cgn2_6/ ptodata/2/pna/US6011_COMB.seq:
/ cgn2_6/ ptodata/2/pna/US6012_COMB.seq:
/ cgn2_6/ ptodata/2/pna/US6012_COMB.seq:
/ cgn2_6/ ptodata/2/pna/US6012_COMB.seq:
/ cgn2_6/ ptodata/2/pna/US6022_COMB.seq:
/ cgn2_6/ ptodata/2/pna/US6022_COMB.seq:
/ cgn2_6/ ptodata/2/pna/US6023_COMB.seq:
/ cgn2_6/ ptodata/2/pna/US6023_COMB.seq:
/ cgn2_6/ ptodata/2/pna/US6023_COMB.seq:
/ cgn2_6/ ptodata/2/pna/US6023_COMB.seq:
/ cgn2_6/ ptodata/2/pna/US6033_COMB.seq:
/ cgn2_6/ ptodata/2/pna/US6036_COMB.seq:
/ cgn2_6/ ptodata/2/pna/US6036_COMB.s
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SUMMARIES
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Sequence 62, Appl
Sequence 328887,
Sequence 339049,
Sequence 339049,
Sequence 339051,
Sequence 328898,
Sequence 328998,
Sequence 328098,
Sequence 418107,
Sequence 418122, A
Sequence 41822, A
Sequence 847501,
Sequence 847501,
Sequence 15230, A
Sequence 15330, A
Sequence 12330, A
Sequence 15330, A
Sequence 15330, A
Sequence 19741, A
Sequence 15330, A
Sequence 15330, A

Description

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25

GAGTGACTCTCACG 12 GAGTGACTCTCACG 49

0

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RESULT 14
US-60-427-808-34731/c
US-60-427-808-34731/c
US-60-427-808-34731/c
US-60-427-808-34731/c
US-60-427-808-34731/c
US-60-427-808
GENERAL INFORMATION:
APPLICATION:
Hethods of Genetic Analysis of Mouse
FILE REFERENCE: 3528
CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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US-60-417-190-41680/c
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US-60-417-190-41679/c
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; ORGANISM: Homo sapien
US-60-417-190-41679
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; ORGANISM: Homo sapien
US-60-417-190-41680
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CURRENT APPLICATION NUMBER: US/60/417,190

CURRENT FILING DATE: 2002-10-02

NUMBER OF SEQ ID NOS: 122930

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 41679

LENGTH: 25
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CURRENT FILING DATE: 2002-10-02
NUMBER OF SEQ ID NOS: 122930
SOFTWARE Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 41680
LENGTH: 25
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Best Local Similarity
Matches 14; Conserv
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Hajime Matsuzaki
APPLICANT: Mei-Mei Shen
TITLE OF INVENTION: Methods for Genotyping Polymorphisms in Humans
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APPLICANT: Mei-Mei Shen
TITLE OF INVENTION: Methods for Genotyping Polymorphisms in Humans
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ID NO 34731
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Pred. No.
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. 7.4e+02;
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7.4e+02;
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CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 709610
SEQ ID NO 709610
LENGTH: 25
TYPE: DNA
ORGANISM: Mus musculus
US-60-427-808-709610
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US-60-427-808-709610
                                                Query Match
Best Local Similarity
Matches 14; Conserv
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Best Local S
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                                                                                                                                                                                                                                                         APPLICANT: Xue Mei Zhou
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                        42 CTCTCACGAGAGCC 55
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                                                                                                                                                                                                                                                                                                                                                                                   34 GAGAGTGACTCTCA 47
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14; Conservative
CTCTCACGAGAGCC 21
                                                    Conservative
                                                                                                                                                                                                                                                                                      Application US/60427808
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/ 100.0%; Pr
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                                                              23.3%;
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Pred. No.
                                                                 Score 14;
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. 7.4e+02;
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7.4e+02;
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Search completed: June 24, 2003, 20:14:42 Job time: 3335.23 secs

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US-10-355-577-314865, Application US/10355577
; Sequence 314865, Application US/10355577
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-Ul33;
RESULT 9
US-10-355-577-847501
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US-60-470-475-42235/c
; Sequence 42235, Appl
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                                                                                                                                                                                         ; TYPE: DNA
; ORGANISM: Homo sapien
US-10-355-577-314865
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; TYPE: DNA; Homo sapien; ORGANISM: Homo sapien
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; ORGANISM: Homo sapien
US-60-417-190-41675
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Best Local S
Matches 15
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CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing
SEQ ID NO 314865
LENGTH: 25
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Best Local S
Matches 15
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CURRENT APPLICATION NUMBER: US/60/470,475
CURRENT FILING DATE: 2003-05-14
PRIOR APPLICATION NUMBER: 60/417,190
PRIOR FILING DATE: 2002-10-08
NUMBER OF SEQ ID NOS: 124031
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 42235
LENGTH: 25
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Best Local :
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TITLE OF INVENTION: Methods for Genotyping Polymorphisms in Humans
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LENGTH: 25
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Local Similarity 100.0%;
Les 15; Conservative 0;
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                                                                                            47 АССАСАССССССВАС 60
                                                                                                                             14,
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l Similarity 100.0%; F
15; Conservative 0;
                                                                                                                                           Similarity
                                                            ACGAGAGCCGCGAG
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                                                                                                                         23.3%; Score 14; DB 9; Lilarity 100.0%; Pred. No. 7.4e+02; Conservative 0; Mismatches 0;
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2e+02;
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                                                                                                                                                          Length 25;
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US-60-417-190-41673/c

| Sequence 41673, Application US/60417190
| GENERAL INFORMATION:
| APPLICANT: Giulia Kennedy
| APPLICANT: Hajime Matsuzaki
| APPLICANT: Mei-Mei Shen
| TITLE OF INVENTION: Methods for Genotyping Polymorphisms in Hum
| TITLE OF INVENTION NUMBER: US/60/417,190
| PILE REFERENCE 3522
| CURRENT APPLICATION NUMBER: US/60/417,190
| CURRENT FILING DATE: 2002-10-02
| NUMBER OF SEQ ID NOS: 122930
| SOPTWARE: Microarray Probe Sequence Listing Generator V 1.1
| SEQ ID NO 41673
| LENGTH: 25
| TYPE: DNA | ORGANISM: Homo sapien
| US-60-417-190-41673
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US-10-355-577-847501
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V
SEQ ID NO 952021
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 952021, Application US/10355577
GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing
SEQ ID NO 847501
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GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
Ouery Match 23.3%; Score 14; DB 12; Best Local Similarity 100.0%; Pred. No 7.4e+02; Matches 14; Conservative 0; Mismatches 0;
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Best Local
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Best Local 9
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TYPE: DNA
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Similarity 100.0%; Pred. No.
14; Conservative 0; Mismatc
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                                                                         ; ORGANISM: Homo sapien
US-10-355-577-351034
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                                                                                                                                                                                                                   Sequence 351034, Application US/1035577
GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577
                                                                                                                                            NUMBER OF SEQ ID NOS: 997516
SOPTWARE: Microarray Probe S
SEQ ID NO 351034
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                     Best Local
                                    Query Match
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 Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA) FILE REFERENCE: 02-708-A (400/080)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              -US03-04088-265/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: RNA
ORGANISM: Artificial
FEATURE:
                                                                                                             TYPE: DNA
                                                                                                                            LENGTH: 25
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APPLICATION NUMBER: US 60/363,124
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APPLICATION NUMBER: US 60/386,782
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19; Conserv
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Beigelman, Leoni
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                   26.7%;
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                 Score 16; ; Pred. No.
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 Mismatches
                   . 55;
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LENGTH: 25
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CURRENT FILING DATE: 2002-10-02
NUMBER OF SEQ ID NOS: 122930
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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                 CURRENT APPLICATION NUMBER: US/60/417,190
CURRENT FILING DATE: 2002-10-02
NUMBER OF SEQ ID NOS: 122930
                                                                                                   APPLICANT:
APPLICANT:
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                                                                                 APPLICANT: Mei-Mei Shen
TITLE OF INVENTION: Methods for Genotyping
                                                                                                                                  APPLICANT: Giulia Kennedy
                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 25
TYPE: DNA
                                                                     FILE REFERENCE: 3522
                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Homo sapien
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ITLE OF INVENTION: Methods for Genotyping Polymorphisms
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Microarray Probe Sequence Listing Generator V 1.1
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                                                                                                                    Hajime Matsuzaki
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100.0%; Pr
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tive 0; Mismatc
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Pred. No.
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2e+02;
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Maximum DB
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1: /cgn2_6/ptodata/2/pna/PCT_NEW_COMB.seq:*

2: /cgn2_6/ptodata/2/pna/US06_NEW_COMB.seq:*

3: /cgn2_6/ptodata/2/pna/US07_NEW_COMB.seq:*

4: /cgn2_6/ptodata/2/pna/US09_NEW_COMB.seq:*

5: /cgn2_6/ptodata/2/pna/US09_NEW_COMB.seq:*

6: /cgn2_6/ptodata/2/pna/US09_NEW_COMB.seq:*

7: /cgn2_6/ptodata/2/pna/US09_NEW_COMB.seq:*

8: /cgn2_6/ptodata/2/pna/US01_NEW_COMB.seq:*

9: /cgn2_6/ptodata/2/pna/US01_NEW_COMB.seq2:*

10: /cgn2_6/ptodata/2/pna/US01_NEW_COMB.seq3:*

11: /cgn2_6/ptodata/2/pna/US01_NEW_COMB.seq3:*

12: /cgn2_6/ptodata/2/pna/US00_NEW_COMB.seq3:*

13: /cgn2_6/ptodata/2/pna/US00_NEW_COMB.seq3:*
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Match Length DB
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Gapop_60.0 , Gapext 60.0
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(without alignments)
125.426 Million cell updates/sec
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Copyright (c) 1993 - 2003 Compugen Ltd
1 PCT-US03-04088-1
PCT-US03-04088-265
US-10-355-577-351034
US-10-355-577-448107
US-60-417-190-41675
US-60-417-190-41675
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Sequence 41674, A
Sequence 41675, A
Sequence 91235, A
Sequence 952021,
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Sequence 41679, A
Sequence 41680, A
Sequence 41680, A
Sequence 3431, A
Sequence 4236, A
Sequence 4236, A
Sequence 107844,
Sequence 1533a
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PCT-US03-04088-1
                                                                                                                                                            PCT-US03-04088-1
                          Query Match 31.7%;
Best Local Similarity 84.2%;
Matches 16; Conservative
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| C 22 13 21.7 16 10 US-10-367-892-130.4 18 10 US-10-367-892-171.48 C 24 13 21.7 18 10 US-10-367-892-171.49 C 24 13 21.7 18 10 US-10-367-892-171.49 C 25 13 21.7 18 10 US-10-367-892-171.49 C 25 13 21.7 18 10 US-10-367-892-171.47 18 10 US-10-355-577-104028 18 10 US-10-355-577-104028 18 10 US-10-355-577-104028 18 10 US-10-355-577-104028 18 10 US-10-355-577-404368 18 10 US-10-355-577-404368 18 10 US-10-355-577-627144 18 18 18 18 18 18 18 18 18 18 18 18 18 |
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| 10.367.892.17149 10.367.892.17149 10.367.892.17149 10.367.892.17147 10.367 |
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ALIGNMENTS

APPLICANT: MISOZYME Pharmaceuticals, Inc. APPLICANT: MCSwiggen, James APPLICANT: MCSwiggen, James APPLICANT: Beigelman, Leonid TITLE OF INVENTION: RNA Interference Mediated Inhibition of Tele TITLE OF INVENTION: RNA Interference Mediated Inhibition of Tele TITLE OF INVENTION: RNA Interference Mediated Inhibition of Tele TITLE OF INVENTION: RNA Interference Mediated Inhibition of Tele TITLE OF INVENTION: RNA Interference Mediated Inhibition of Tele TITLE OF INVENTION: RNA Interference Mediated Inhibition of Tele TITLE OF INVENTION: RNA Interference Mediated Inhibition of Tele TITLE OF INVENTION INVERS: US 60/386,600 PRIOR APPLICATION NUMBER: US 60/366,600 PRIOR APPLICATION NUMBER: US 60/363,124 PRIOR PILING DATE: 2002-03-01 PRIOR APPLICATION NUMBER: US 60/363,124 PRIOR PILING DATE: 2002-03-11 PRIOR APPLICATION NUMBER: US 60/366,782 PRIOR FILING DATE: 2002-06-06 PRIOR APPLICATION NUMBER: US 60/406,784 PRIOR APPLICATION NUMBER: US 60/406,784 PRIOR APPLICATION NUMBER: US 60/408,378 PRIOR FILING DATE: 2002-09-05 PRIOR FILING DATE: 2002-09-05 PRIOR PRIOR DATE: 2002-09-05 PRIOR FILING DATE: 2002-09-05 PRIOR FILING DATE: 2002-09-05 PRIOR FILING DATE: 2003-01-15 PRIOR FILING DATE: 2003-01-16 PRIOR PRIOR FILING DATE: 2003-01-16 PRIOR PRIOR PRIOR FILING DAT Sequence 1, Application PC/TUS0304088 GENERAL INFORMATION: OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense OTHER INFORMATION: region TYPE: RNA ORGANISM: Artificial Telomerase (siNA) Gene

Score 19; DB 1; Length 19; Pred. No. 1.1; 3; Mismatches 0; Indels

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Gaps

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BASE COUNT
ORIGIN
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AUTHORS
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SOURCE
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Search completed: June 24, 2003, 16:52:41 Job time: 1575.41 secs
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JOURNAL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Washington University School of Medicine
4444 Porest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1810
Pax: 314 286 1810
Email: est@watson.wustl.edu
Insert Size: 735
High quality sequence stops: 1
Source: IMAGE Consortium, LLML
This clone is available royalty-free through LLML; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Trace considered overall poor quality
Possible reversed clone: similarity on wrong strand
Insert Length: 735 Std Error: 0.00
Seg primer: M13Rev
                                                                        30 CCCCAACCAGC 20
                                                                                                          15 CCCCAACCAGC 25
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Bukaryota; Metazoa; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 34)
Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J.,
Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P. and Wilson,R.
The WashU-Merck EST Project
Unpublished (1995)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DIFFUSION ;, mRNA sequence
H27426
H27426.1 GI:897416
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Location/Qualifiers
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                                                                                                                                                  h 18.3%; Score 11; DB 14; Length 34; Similarity 100.0%; Pred. No. 1.2e+05; 11; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                           /organism="Homo sapiens"
/db_xref="GDB:575254"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      sex="Female"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        clone_lib="Soares breast 3NbHBst"
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clone="IMAGE:161139"
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AI793967
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Danio rerio
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Actinopterygii; Neopterygii; Teleostei; Ostariophysi; Cypriniformes
                                                                                                                                                    Al793967 31 bp mRNA linear EST 07-JUN-2001 fC556964.x1 Zebrafish WashU MpING EST Danio rerio cDNA clone IMAGE:3725430 3' similar to TR:061888 G01888 PROLINE RICH PROTEIN. contains element MSR1 repetitive element ;, mRNA sequence. Al793967 Al793967 GI:5341683
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Drosophila melanogaster
Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
Ephydroidea; Drosophildae; Drosophila.

1 (bases 1 to 30)
Liao,G.-C., Rehm,E.J. and Rubin,G.M.
Insertion site preferences of the P transposable element in
Drosophila melanogaster
Drosophila melanogaster
Droccas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The P element insertion position is base 23 in the 30 bases. This insertion position refers to the first base of the 8 base target recognition sequence.

Class: transposon-tagged.

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Contact: Gerald Rubin
Berkeley Drosophila Genome Project
University of California, Berkeley
LSA Building, Berkeley, CA 94720-3200, USA
Fax: 5106439947
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AQ025148.1 GI:3265500
GSS
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                                                                                                                               zebrafish
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence orientation is forward strand relative to
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /organism="Drosophila melanogaster"
//db xref="taxon:7227"
//db xref
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e recovery method was inver
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 18.3%;
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Pred. No. 1.2e+05;
0; Mismatches 0;
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                    H27426 34 bp mRNA linear EST 12-
yl44h02.rl Soares breast 3NbHBst Homo sapiens cDNA clone
IMAGE:161139 5' similar to SP:PDUF_SALTY P37451 PROPANEDIOL
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and Wilson,R.

And Wilson,R.

WashU Zebrafish EST Project 1998

Unpublished (1998)

Contact: Stephen L. Johnson

Washington University School of Medicine

Washington University School of Medicine

4444 Forcet Park Parkway, Box 8501, St. Louis, MO 63108, USA

Tel: 314 286 1800

Pax: 314 286 1810

Email: zbrafish@wasson.wustl.edu

Email: zbrafish@wasson.wustl.edu

Email: zbrafish@wasson.wustl.edu
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(bases 1 to 31)

(bases 1 to 31)

(clark, M., Johnson, S.L., Lehrach, H., Lee, R., Li, F., Marra, M., Eddy, S., Hillier, L., Kucaba, T., Martin, J., Beck, C., Wylie, T., Underwoc, S., Hillier, L., Kucaba, T., Martin, M., Bowers, Y., Person, B., K., Steptce, M., Theising, B., Allen, M., Bowers, Y., Person, B., K., Shirk, R., Ritter, E., Swaller, T., Gibbons, M., Page, D., Harwey, N., Schurk, R., Ritter, E., Swaller, T., Gibbons, M., Page, D., Harwey, N., Schurk, R., Ritter, E., Kohn, S., Shin, T., Jackson, Y., Cardenas, M., McCann, R., Waterston, R.
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/lab host="MLI-blue M
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/sex="mixed"
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/db_xref="taxon:7955"
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Pred. No. 1.:
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AZ809974.1 GI:12976775
GSS.
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                                                                                                                             8 ccerrecece 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Erro
Plate: 0074 row: C column: 1
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1 (bases 1 to 27)
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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                                                                                                                                                                                            Similarity
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801 585 7177
                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                      was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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/clone="UUGC2M0074C18"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/sex="Male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (http://www.jax.org/resources/documents/dnares/).
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/strain="C57BL/6J"
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                                                                                                                                                                     18.3%; Score 11; DB 100.0%; Pred. No. 1.
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hes 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Erro
Plate: 0008 row: N column: 0
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University of Utah Genome Center
University of Utah
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Fax: 801 585 7177
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                                                                                                                                                                                                                                                                                      adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF12907.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored more DNA was annealed to adaptored with vector was adaptored more but was annealed to
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/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0008N03"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            sex="Male"
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                                             100.0%; --
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                                                   ; Score 11; DB
b; Pred. No. 1.2
0; Mismatches
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                                                      1.2e+05;
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                                                                                                            DB 17;
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Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0218 row: 0 column: 03
Seq primer: CGTTGTAAAACGACGGCCAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
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Location/Qualifiers
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University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Rese
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mus musculus
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llarity 100.0%;
Conservative
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//lab host="E. coli strain XL10-Gold, T2-resistant, F-"
//lab host="E. coli strain XL10-Gold, T1-resistant, F-"
//lab host="E. coli xL10-Gold, T1-resistant, F-"
//lab host="E. coli xL10-Gold, (Stratagene) cells
and selected for ampicillin resistance."
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/strain="C57BL/6J"
/db xxef="taxon:10090"
/clone="UUGC2M0218003"
/clone_lib="Mouse 10kb plasmid UUGC2M library"
/sex="Female"
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o. 1.1e+05;
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Insert Length: 10000 Std Error: 0.00
Plate: 0527 row: D column: 14
Seg primer: CACACAGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 23.
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Fax: 801 585 7177
Email: ddunn@genet
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus 1 (bases 1 to 23)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,L., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A., and Wright,D.,Weiss,R.
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1M0527D1AR Mouse 10kb plasmid UUGCIM library Mus musculus genomic
clone UUGC1M0527D14 R, DNA sequence.
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//db xrefs"taxon:10090"
//db xrefs"taxon:10090"
//clone="UUGCIM0557D14"
//clone="UUGCIM0557D14"
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//clone="UUGCIM0557D14"
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//clon
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/strain="C57BL/6J"
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ive 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Email: walbot@stanford.edu
Possible ligation site of ends
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tel: 650 723 2227
Fax: 650 725 8221
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Stanford University
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Department of Biological Sciences
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                                                                                                                                                                                                                                                      /organism="Zea mays"
/cultivar="mixed background W23/A188/B73"
/db_xref="taxon:4577"
/db_xref="taxon:4577"
/clone lib="1006 - RescueMu Grid G"
/clone lib="1006 - RescueMu Grid G"
/tissue_type="leaf"
/dev_stage="adult"
/lab_bost="mbl108"
/note="Organ: leaf; Vector: RescueMu (engineered from pBlueScript backbone); Site 1: BamHI; Site_2: BglII;
RescueMu is a 4.9 kb, modified maize Mu transposon
designed to allow plasmid rescue from total genomic DNA.
Mu elements insert preferentially into transcription
units. For more information on RescueMu, go to the web
site 'www.zmdb.iastate.edu' and follow the links for
'RescueMu.' Grid G was grown at Stanford in 2000. DNA was
extracted from leaf punches, double digested using BamHI
and BglII, and ligated to form circular plasmids. DH10B
cells were transformed and then screened on LB plates with
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                                                                                                                                                                                                                                             ampicillin."
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Pred. No. 3.9e+04;
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                                            12
17 TCCCCCCAACC 7
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Insert Length: 10000 Std Error: 0.00
Plate: 0569 row: G column: 22
Seq primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
High quality sequence stop: 21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Unpublished (2000)
Contact: Robert B. Weiss
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Res
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mus musculus
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Tel: 801 585 5606
Fax: 801 585 7177
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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                                                                                          Conservative
                                                                                                                                                                                                   was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pNA92 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Laboratory Mouse DNA Resource
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0569G22"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           lab host="E. Coli strain XL10-Gold, T1-resistant, F-"note="Vector: PWD42nv; Purified genomic DNA from M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  clone_lib="Mouse 10kb plasmid UUGC1M library"
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Matches 13
                                                           AU102328 Sugano Homo sapiens cI
AU102328 Sugano Homo sapiens cI
KATT06002, mRNA sequence.
AU102328
AU102328.1 GI:13551848
ESGT.
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BJ048330 GI:17408746 EST.
EST.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Expressed genes in X. laevis embryo Unpublished (2001) Contact: Tadasu Shin-1
Homo sapiens
Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
1 (bases 1 to 50)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kitayama,A.,
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Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                /tissue_type="whole embryo"
/dev_stage="stage 15"
/dev_stage="stage 15"
/note="Vector: pBSRN3; Site_1: NotI; Site_2: EcoRI; cDNAs
were oligo-dT primed and directionally cloned. Staging
according to Nieuwkoop and Faber. Library is subtracted
and was constructed by N. Garrett and A.M. Zorn,
(Wellcome/CRC Institute). "
(Wellcome/CRC Institute). "
2 others
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /organism="Xenopus laevis"
/db_xref="taxon:8355"
/clone="X1019110"
/clone_lib="NIBB Mochii normalized Xenopus neurula
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                                                                                                                                    bp mRNA linear EST 30-AUG-2001
cDNA library Homo sapiens cDNA clone
               Craniata; Vertebrata; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                    Length 49;
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               Euteleostomi;
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Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzukideims.u-tokyo.ac.jp
Suzuki, Y., Yoshitomo-Nakagawa, K., Maruyama, K., Suyama, A. and Sugano, S. Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA fibrary. Gene 200 (1-2), 149-156 (1997).
Location/Qualifiers
                                                                                                                                                                                                                                                                                           Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano,S. Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 50)
Suzuki, Y., Taira, H., Tsunoda, T., Mizushima-Sugano, J., Sese, J., Hat
H., Ota, T., Isogai, T., Tanaka, T., Morishita, S., Okubo, K., Sakaki
Y., Nakamura, Y., Suyama, A. and Sugano, S.
Diverse transcriptional initiation revealed by fine, large-scale
Diverse transcriptional initiation revealed by fine, large-scale
mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
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AU105457 Sugano Homo sapiens cDNA library Homo sapiens cDNA clone
ADSU02120, mRNA sequence.
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Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
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AU105457.1 GI:13554978
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larity 100.0%;
Conservative
/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone=NbSU02120"
/clone=lib="Sugano Homo sapiens cDNA library"
/note="Differential display comparison of untreated and dimethylfumarate treated U37 cells"
a 10 c 24 g 11 t
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/db xref="texon:9606"
/db cref="texon:9606"
/clone="Kar06002"
/clone=lib="Sugano Homo sapiens cDNA library"
/note="Differential display comparison of untreated dimethylfumarate treated U937 cells"
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RESULT 2
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                                                                                                                                                                                                                                                  Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0239 row: P column: 13
Seq primer: CACACAGGAAACAGCTATGACC
                                                                                                                                                                                                                                                                                                                     Tel: 801 585 5606
Fax: 801 585 7177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedereen, T., Reilly, M., Rose, M., Roge, R., Stokes, R., Tingey, A., von Niederhausern, A., and Wright, D., Weiss, R.
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Mammalia; Eutheria;
1 (bases 1 to 47)
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                                                                                                                                                                                                                                                                                                                                                                                                                                     Contact: Robert B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         plasmid inserts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mouse whole genome scaffolding with paired end reads from 10kb
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/clone lib="NCI_CGAP_Gas4"
/tissue_type="poorly_differentiated adenocarcinoma with
signet ring_cell_features"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note="Organ: stomach; Vector: pCMV-SPORT6; Site_1: Sall;
Site_2: NotI; Cloned unidirectionally. Primer: Oligo dT.
Average insert size 1.69 kb. Life Technologies catalog #:
               /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-" /note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11549-011"
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Laboratory Mouse DNA Resource
                                                                                 /db xref="taxon:10090"
/clone="UUGC1M0239F13"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
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strain="C57BL/6J"
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Rodentia;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Gilbert Smith, Ph.D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eukaryota; Metazoa; Chordata; Craniata; V
Mammalia; Eutheria; Rodentia; Sciurognath
1 (bases 1 to 50)
NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian
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602227364F1 NCI_CGAP_Mam2 Mus musculus cDNA clone IMAGE:5059839 5',
                                                                                                                                                                                                                                                                                                                                                                                                                                                 found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
Plate: LLAMI1161 row: p column: 16
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High quality sequence stop: 4.
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CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can
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                       9
                  /note="Organ: mammary; Vector: pCMV-SPORT6; Site_1: SalI; Site_2: NotI, Cloned unidirectionally. Primer: Oligo dT. Library constructed by Life Technologies. Investigator providing samples: Gilbert Smith, NIH"

19 g 11 t
                                                                                                                                            /clone="IMAGE:5059839"
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/lab_host="DH108"
                                                                                                                                                                                                                                                                             /strain="FVB/N-3"
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                                                                                                                                                                                                                                                                                                                             organism="Mus musculus"
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AZ307173 1M0008N03
AQ025148 EP(3)1001
A1793967 1555694 x
H27426 y144N02 x1
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AA91247 0922f078
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ALT76731 ATABAG978
AW25581 2821639.5
B1544340 60318832
X88097 H. Sapiens D
B1825999 603076591
AA969300 0952510 x
A1591346 ED75510 x
A1591356 E810608 x
AQ073163 EP(X)0324
A1173140 vZ78C03 r
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Copyright (c) 1993 - 2003 Compugen Ltd
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                  Tumor Gene Index
Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
Emmail: cgapbs-r@mail.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
Emmail: cgapbs-r@mail.nih.gov
Emmert-Buck, M.D., Ph.D.
Enter Clone distribution: McI-GRAP clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
                                                                                                                                                  Homo sapiens
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.

1 (Dases 1 to 49)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
                                                                                                                                                                                                                                                                AI802512
49 bp mRNA linear EST 14-DEC-1999 tp08h04.x1 NCI CGAP Gas4 Homo sapiens cDNA clone IMAGE:2187223 3' similar to TR:O48809 O48809 F24O1.18. ; mRNA sequence.
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AI802512.1 GI:5367984
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  Trace considered overall poor quality
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REFERENCE AUTHORS TITLE ACCESSION
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KEITH WILLIAM NICOL (GB); CANCER RES CAMPAIGN TECH (GB)
LOCATION/QUAlifiers
1. 38
/organism="synthetic construct"
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/note="0ligonucleotide"
2 a 7 c 23 g 6 t synthetic construct.
synthetic construct
artificial sequences.
1 (bases 1 to 38)
Keith, W.N.
Keith, W.N. AX019586 AX019586.1 GI:10043500 0; Gaps

Search completed: June 23, 2003, 20:29:41 Job time: 301.008 secs

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                                                                                                                                                                                            Atkinson, B.M. and Kealey, J.T. PURIFIED TELOMERASE
                                                                                                                                                                                                               unclassified.
1 (bases 1 to 31)
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                                                                  /note="N = BIOTINYLATED
/mod_base=OTHER
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and Bard,F.

Screening markers and methods for neurodegenerative disorders Screening markers and methods for neurodegenerative disorders Patent: WO 0175165-A 60 11-OCT-2001;

Blan Pharmaceuticals, Inc. (US)
Location/Qualifiers
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SCOTGEN LTD (GB); TAYLOR GERALDINE (GB)
Location/Qualifiers
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Taylor,G. and Stott,E.J.
ANTIHODIES FOR TREATMENT AND PREVENTION
VIRUS INFECTION
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/db xref="taxon:32630"
/note="probe 1407"
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Evans, G.A. and Smith, M.W.
Method for generation of sequence sampled
Patent: US 5851760-A 443 22-DEC-1998;
Location/Qualifiers
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AX019591.1 GI:10043505
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KEITH WILLIAM NICOL (GB); CANCER RES CAMPAIGN
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/db xxef="taxon:32630"
/note="Oligonucleotide"
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M Unknown.
Unclassified.
Unclassified.
E 1 (bases 1 to 29)
S Keesee,S.K., Obar,R. and Wu,Y.-J.
S Keesee,S.K., Obar,R. and wu,Y.-J.
Materials and methods for detection of broat to US 6218131-A 22 17-APR-2001;
Location/Qualifiers
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            synthetic construct.
synthetic construct
synthetic construct
artificial sequences.
1 (bases 1 to 26)
HOward J.C., Feldkamp, U., Rauhe, H. and Banzhaf, W.
Information-carrying and information-processing p
Patent: WO 0059917-A 186 12-OCT-2000;
HOWARD JONATHAN C (DB); FELDKAMP UDO (DB); RAUH
BANZHAF WOLFGANG (DE)
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Sequence 22 from patent
AR145878
AR145878.1 GI:15109067
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Sequence 186 from Patent
AX037835
AX037835.1 GI:11227217
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Similarity 100.0%;
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/db_xref="taxon:32630"
/noTe="X801: Unique non-biological
representation of data."
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/db xref="taxon:32630"
/note="X80U: Unique non-biological
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from patent US 6218131.
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I31751/c
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Villeponteau, B., Feng, J., Funk, W. and
Mammalian telomorase
Patent: US 5958680-A 41 28-SEP-1999;
                                                                                                                                         l (bases 1 to 20)
villeponteau, B., Feng, J., Funk, W. a
Mammalian telomerase
Patent: US 5583016-A 4 10-DEC-1996;
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Unknown
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Pred. No. 2.1e+03;
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AX405383
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AX405383
AX405383.1
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Sequence 3 from Patent WO02054073.
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                                                                                                                                                                                                                                                                                                      Transglutaminase gene products
Patent: WO 0222830-A 77 21-MAR-2002;
UNIVERSITY COLLEGE CARDIFF CONSULTANTS
                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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The Secretary, Department of Health
Location/Qualifiers
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14 c 6 g 4 t
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/db_xref="GI:21438479"
/translation="GLEVA"
13 c 12 g 1:
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/db_xref="taxon:32630"
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                                                                                                                                 Length 44;
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 linear
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antigens, and methods
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  07-SEP-2000
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Title: Perfect score:

OM nucleic

Scoring table: Sequence:

Description

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Gapop 60.0 , Gapext 60.0
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Copyright (c) 1993 - 2003 Compugen Ltd.
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                                                         REFERENCE
AUTHORS
TITLE
JOURNAL
FEATURES
                                                                                                                                                                           RESULT 1
AR059219/c
LOCUS
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VERSION
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SOURCE
ORGANISM
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Unknown.

3M Unknown.

Unclassified.

B 1 (bases 1 to 20)

RS Villeponteau,B., Feng,J., Funk,W. and And And Mandalian telomerase

Mammalian telomerase

Mathematic US 5837857.A 26 17-NOV-1998;

NAL Patent: US Cation/Qualifiers
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Sequence 26 from patent
AR059219
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AR059219 Sequence
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AR019587 Sequence
AR018785 Sequence
AR048785 Sequence
AR048785 Sequence
AR146639 Sequence
AR16663 Sequence

No.

DNA

linear

PAT

Andrews, W.H.

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RESULT 15
AAT89245
ID AAT89
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     oligonucleotides can be used to block the activity of the telomerase; probes and primers can be used in detection; vectors and host cells transformed with the isolated telomerase genes can be used for production of telomerases; RNA and DNA ribozymes and triplex forming oligonucleotides directed against the telomerase genes can be used therapeutically as can plasmids. A mouse which lacks the telomerase gene (also claimed) can be used for study of telomere regulation in vivo, and the role it plays in immortalisation. The antisense oligonucleotide is synthesised as a 2-0-methyl RNA oligonucleotide and is more resistant to hydrolysis than unmodified by the part of the contraction of the contraction of the resistant to hydrolysis than unmodified the contraction of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RNA components of (non)human mammalian telomerase(s) - useful studying cell senescence and immortalisation
This is an oligonucleotide used in the measurement of Tm values and 'their complimentary peptide nucleic acids (PNAs), (e.g. AAT89228-T89233,
                                                                                                                                New peptide nucleic acids hybridising to mammalian telomerase RNA used to inhibit telomerase, for treating tumours and other proliferative diseases, also for diagnosis
                                                                                                                                                                                                                                                                                                                                                                                     09-APR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16-OCT-1997.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12-MAY-1998
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      oligonucleotide and is more resistant tanna oligonucleotides (See AAT11032-35).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The RNA components of (non) human mammalian telomerase(s) especially from mouse, rat and chinese hamster are all claimed. Antisense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure; Page 23; 85pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Marhuenda MA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Andrews WH,
                                                                                       Example 2;
                                                                                                                                                                                                                                       WPI; 1997-512647/47.
                                                                                                                                                                                                                                                                                      Corey D,
                                                                                                                                                                                                                                                                                                                                                                                                                                      09-APR-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO9738013-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Peptide nucleic acid; PNA; cancer; telomerase; probe; hybridisation; inhibitor; human telomerase RNA; hTR; PCR; oligonucleotide; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DNA oligonucleotide 1, used in the measurement of Tm values.
                                                                                                                                                                                                                                                                                                                                         (GERO-) GERON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       17
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                                                                                                                                                                                                                                                                                   Norton JC,
                                                                                     Page 49; 76pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
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                                                                                                                                                                                                                                                                                                                                         CORP.
                                                                                                                                                                                                                                                                                                                                                                                        96US-0630019
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100.0%;
                                                                                                                                                                                                                                                                                      Piatyszek MA,
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au B;
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Pred. No. 1.9e+02;
0; Mismatches 0;
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                                                                                                                                                                                                                                                                                      Shay JW,
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                                                                                                                                                                                                                                                                                   Wright WE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 20
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                                                                                                                                        Query Match
                                                                                                                                                                                                                AAT89243-T89244). PNAs hybridise specifically to an RNA component of mammalian telomerase, and include the sequence GGG for specific hybridisation to the template region of this component. PNAs can be used as probes to detect the RNA component of mammalian telomerase and as inhibitors of telomerase activity, especially in the treatment of
                                                                                                                                                                      Sequence 24 BP; 7 A; 5 C; 5 G; 7 T; 0 other;
                                                                                                                         Local
                                                                 17 TTTGTCTAACCCTA 30
                                                                                                         14;
                                              1 TTTGTCTAACCCTA
                                                                                                                         Similarity
                                                                                                          Conservative
                                                                                                    100.0%; F1
                                                                                                         46.7%; Score 14; DB 18;
100.0%; Pred. No. 1.9e+0;
cive 0; Mismatches (
                                              14
20:09:18
                                                                                                                         1.9e+02;
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                                                                                                                                        Length 24;
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                                                                                                         0;
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0

Search completed: June 23, 2003, 20:09:18 Job time : 113.554 secs

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RESULT 13
AAT10286/c
ID AAT102
XX
AC AAT102
XX
AC AAT102
XX
DT 09-SEF
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                                                                                                                                                                                                                                         The present invention relates to peptide nucleic acids (PNAs), comprising CC a sequence of 6-25 nucleobases, that inhibit telomerase activity in mammallan cells by hybridising to the RNA component of mammallan cells by hybridising to the RNA component of mammallan cells by hybridising to the RNA component of mammallan cells by hybridising to the RNA component of mammallan telomerase and as inhibitors of telomerase activity, or to detect and/or quantitate polynucleotide having the human telomerase cells individuals, such as paternity testing or identification of criminal cells of the telomerase and as information of criminal cells of the telomerase and the horizontal cells of the telomerase cells as the telomerase of the telomerase cells of the telomerase activity. The present sequence representing hTR RNA strand #2 is used to test the inhibition of telomerase activity by the PNAs of the
                                                                                                                                                                       Query Match
Best Local S
Matches 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New peptide nucleic acids that hybridises to the RNA component (mammalian telomerase, useful for treating or preventing cancer, inflammation, lymphoproliferative diseases, autoimmune disease, neurodegenerative diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        08-JUL-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             hTR gene RFLP pattern; cancer; inflammation; lymphoproliferative disease; autoimmune disease; neurodegenerative disease; neoplasia; hyperplasia; HIV; AIDS; human immunodeficiency virus; telomere metabolism; cytostatic; acquired immunodeficiency syndrome; anti-inflammatory; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-638024/73.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Shay JW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                25-SEP-2001.
                                     AAT10286;
                                                            AAT10286 standard;
                                                                                                                                                                                                                      Sequence 31 BP; 8 A; 6 C; 8 G; 9 U; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 2; Column 37-38; 46pp; English.
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8; Conser
                                                                                                                       UUUUGUCUAACCCUA 15
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llarity 53.3%;
Conservative
              (first entry)
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96US-0630019
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/note= "Telomerase RNA active site"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
                                                             DNA;
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                                                             20
                                                                                                                                                                       7;
                                                                                                                                                                                  Score 15;
Pred. No.
                                                                                                                                                                       Pred. No. 55;
7; Mismatches
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                                                                                                                                                                                   DB 23;
55;
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Best Local (
                                 07-JUN-1995;
07-JUL-1994;
27-OCT-1994;
13-FEB-1995;
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07-JUL-1994;
27-OCT-1994;
07-JUN-1995;
                                                                                                                                                                     Synthetic.
                                                                                                                                                                                                                                                          09-JUN-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 20 BP; 7 A; 3 C; 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RNA component of mammalian identifying e.g. candidate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RNA component; mammalian; telomerase; triple helix; inhibition; neoplastic;
                                                                                               07-JUL-1995;
                                                                                                                       25-JAN-1996
                                                                                                                                               WO9601614-A2
                                                                                                                                                                                                                                                                                                         AAT11032
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; Page 38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 1996-097581/10.
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(COLD-) COLD SPRING HARBOR LAB (GERO-) GERON CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Andrews WH, Feng J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GERO-)
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Similarity 100.0%;
14; Conservative
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                                                                                                                                                                                                                                                                                                         standard;
                                                                                                                                                                                                                                                                                                                                                                   TTTGTCTAACCCTA 7
                                                                                                                                                                                                                                                        (first entry)
                                 95US-0485778.
94US-0272102.
94US-0330123.
95US-0387524.
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94US-0272102.
94US-0330123.
95US-0472802.
                                                                                              95WO-US08620.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  95WO-US08530
                                                                                                                                                                                                                                                                                                        DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Funk W,
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The present sequence is a RNA component of mammalian telomerase, antisense oligonuclectide, which can be used, along with triple helix forming sequences, to inhibit telomerase activity in cells, esp. neoplastic cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RNA component of mammalian telomerase antisense oligonucleotide T3
                                                                                                                                                                                   114pp; English.
                                                                                                                                                                                                                    telomerase, esp. human telomerase-modulating
                                                               G; 5 T; 0 other;
                 Score 14;
Pred. No
                                                                                                                                                                                                                                                                                                         Villeponteau
mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 antisense oligonucleotide; cells; activity; ss.
 1.9e+02;
hes 0;
                                 BB
                                                                                                                                                                                                                                                                                                           В
                                                                                                                                                                                                                                        human - useful
                                 Length
                                                                                                                                                                                                                      agents
 Indels
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0
 Gaps
 0
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Telomerase; mammal; antisense; triplex forming oligonucleotide; plasmid; probe; primer; ribozyme; ss. Antisense oligonucleotide (T3) inhibiting telomerase activity.

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RESULT 11
AAA37591
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                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   therapy vectors (especially pGT62-codAupp) comprising the promoter and a viral thymidine kinase gene can be used to convert a prodrug, e.g. gancyclovir, so that neoplasia can be controlled or treated. Direct down-regulation of telomerase RNA gene through manipulation of transcription factors may be effective anticancer therapy and the cloning of the hTR gene promoter allows the analysis of therapeutic molecules which modulate hTR promoter activity. Sequences AAZ07324-332 and AAZ00332-340 represent constructs with hTR promoter sequence element mutations.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to promoter regions from mouse and human telomerase RNA (TR) component genes. The TR gene promoter can be linked to a heterologous gene, especially a gene encoding a cytotoxin, for therapy of cancer, especially neoplasias. The telomerase is necessary for the unrestricted proliferative capacity of many human cancers. Mutation or dysregulation of the telomerase repression pathway may cause reactivation or upregulation of telomerase expression in cancer. Substances, identified in the methods, can be used to block transcription from the TR gene promoter through interaction of the 5 regulatory sequences. These substances, e.g. antisense oligonucleotides, transcription factors, peptide nucleic acids and factors that disrupt signal transduction, are useful for cancer therapy. In particular, gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           specific gene therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mouse and human telomerase RNA gene promoters, useful for tumor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 1999-479183/40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               29-JAN-1998;
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                 US6046307-A
                                                                                              Peptide nucleic acid; PNA; telomerase; ribonucleoprotein enzyme; cancer; inhibitor; neoplasia; neurodegenerative disease; aging; hyperplasia; AIDS; HIV; fungal infection; forensic identification; detect; tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 47
                                                                                                                                                                                                                                                                AAA37591 standard; RNA; 3i BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (CANC-) CANCER
                                                Synthetic
                                                                                paternity testing;
                                                                                                                                                              Telomerase target sequence.
                                                                                                                                                                                                 15-AUG-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                    20;
                                                                                                                                                                                                                                                                                                                                                                                                                                      Similarity
                                                                                                                                                                                                                                                                                                                                                     TGGCCATTTTTTGTCTAACC 47
                                                                                                                                                                                                                                                                                                                                                                         TGGCCATTTTTTGTCTAACC 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Fig 19; 109pp;
                                                                                                                                                                                                                                                                                                                                                                                                                   66.7%;
llarity 100.0%;
Conservative (
                                                                                                                                                                                               (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     7 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15 G; 14 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            English
                                                                                                                                                                                                                                                                                                                                                                                                                   Score 20; DB 20; Length 47; Pred. No. 0.1; 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                    0;
                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                    0,
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AAS15462
ID AAS15
XX AAS15
AC AAS15
XX T14-FE
DT 114-FE
DE Humar
XX Mamma

AAS15462 standard; RNA; 31

14-FEB-2002

(first entry)

Human telomerase RNA

(hTR) strand #2.

Mammalian; forensic; paternity testing; human telomerase RNA component;

밁 Ś

Matches:

16 TTTTGTCTAACCCTA 30

UUUUGUCUAACCCUA

15

Local

Similarity 8; Conserv

Conservative

Mismatches No.

50.0%;

Score 15; Pred.

21; <u>.</u>

Length 31;

Indels

0

Gaps

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cancers, neoplasia, hyperplasia, neurodegenerative diseases, aging, human immunodeficiency virus (HIV) infection/AIDS (acquired immunodeficiency virus (HIV) infection/AIDS (acquired immunodeficiency syndrome) and associated pathologies, fungal infections, and other compared to the compared diseases characterized by abnormal telomere metabolism or telomerase activity, in combination with antineoplastic and other cytotoxic or cytostatic agents, antifungal agents, and other nucleotides. PNAs may be used for molecular diagnostics, labelled PNAs are used as hybridization probes to detect or quantitate polynucleotides having a human telomerase PNA probes are also used for forensic identification of individuals, e.g. paternity testing, based on hTR gene restriction fragment length polymorphism (RFLP) pattern. PNAs are also useful as probes to detect the RNA component of a mammalian telomerase and as inhibitors of telomerase activity. The method of the present invention allows cancerous conditions to be detected with increased confidence and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     activity. Telomerase is a ribonucleoprotein enzyme that syntnesizes or strand of the telomeric DNA, using as a template an 11 nucleotide sequence contained within the RNA component of the enzyme. The invent: relates to PNA molecules having a sequence of no more than 25 bases, which include the sequence GTTAGG. The uncharged nature of the PNA backbone increases the melting temperature of associating strands, increases the rate of association with targeted nucleic acids, and affords greater resistance of degradation by proteases or nucleases. therapeutic PNAs may be used for treating disease conditions such as therapeutic PNAs may be used for treating disease conditions, aging, h
                                         possibly at an earlier stage, before cells are detected as cancerous based on pathological characteristics. The diagnostic and prognostic methods of the present invention can be used to detect an immortal or neoplastic cell or tumour tissue or cancer of any origin, provided the cell expresses telomerase activity and its RNA component.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 invention relates to an antisense oligonucleotide used as a control sequence alongside a peptide nucleic acid molecule which hybridises the mRNA component of mammalian telomerase, and inhibits telomerase activity. Telomerase is a ribonucleoprotein enzyme that synthesizes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New peptide nucleic acid (PNA) compounds that inhibit telomerase activity in mammalian cells is useful as probes to detect the RNA
Sequence 31 BP; 8 A; 6 C; 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 2; Column 37; 45pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     component of a mammalian telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Wright WE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           09-APR-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present sequence represents a telomerase target sequence. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (TEXA ) UNIV TEXAS SYSTEM
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G; 9 U; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Corey DR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention
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RESULT 9
AAZ00339
ID AAZ0
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AC AAZ0
XX
DT 22-C
XX
DE Muta
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AAX90787
ID AAX9
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Best Local &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                      The present sequence is a PCR primer specific to human telomerase RNA (hTR). It is used to amplify human staufen (hStau) cDNA synthesised using random hexamer primers and Superscript II reverse transcriptase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PCR primer; human telomerase RNA; hTR; amplify; human staufen cDNA; hStau; synthesised; random hexamer primer; Superscript II reverse transcriptase; ss.
Mutated hTR promoter fragment containing
                               22-OCT-1999
                                                           AAZ00339;
                                                                                        AAZ00339 standard; DNA; 47 BP
                                                                                                                                                                                                                                                                             Sequence 28 BP; 2 A; 4 C; 13 G; 9 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                Disclosure; Page 15; 50pp; English.
                                                                                                                                                                                                                                                                                                                                                                                              Human staufen polypeptide useful in methods for identifying telomerase inhibitors -
                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1999-620168/53.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Greider CW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             06-APR-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         06-APR-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human telomerase RNA specific PCR primer-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13-JAN-2000 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 27 BP; 2 A; 4 C; 12 G; 9 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      screening a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (UYJO ) UNIV JOHNS HOPKINS SCHOOL MEDICINE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens
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                                                                                                                                                                                        1 GGGGTGGTGGCCATTTTTTG 20
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                                                                                                                                                                                                                   Similarity 100.0%; I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GGGGTGGTGGCCATTTTTG 27
                                                                                                                                                              GGGGTGGTGGCCATTTTTG 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                66.7%; Scilarity 100.0%; P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        genomic
                            (first entry)
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                                                                                                                                                                                                                    66.7%; Score 20; DB 20;
100.0%; Pred. No. 0.1;
ive 0; Mismatches 0
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Pred. No. 0.1;
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                                                                                                                                                                                                                    0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0;
                                                                                                                                                                                                                                             Length 28;
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                                                                                                                                                                                                                   Gaps
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AAZOO340
ID AAZOO
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AAZOO
AC AAZOO
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AZOO
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AZOO
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AZOO
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22-OC
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Mutat
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Telom
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Homo
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                                                                                                                                                                                                                                                                                                                                                   The invention relates to promoter regions from mouse and human CC telomerase RNA (TR) component genes. The TR gene promoter can be linked CC to a heterologous gene, especially a gene enoding a cytotoxin, for therapy of cancer, especially neoplasias. The telomerase is necessary for the unrestricted proliferative capacity of many human cancers. Mutation CC respecially neoplasias. The telomerase is necessary for the unrestration of the telomerase repression pathway may cause CC reactivation or upregulation of telomerase expression in cancer. Substances, identified in the methods, can be used to block transcription factors, peptide nucleic acids and factors that disrupt CC signal transduction, are useful for cancer therapy. In particular, gene therapy vectors (especially pGT62-codAupp) comprising the promoter and a CC viral thymidine kinase gene can be used to convert a produg, e.g. CC gancyclovir, so that neoplasia can be controlled or treated. Direct CC down-regulation of telomerase RNA gene through manipulation of transcription factors may be effective anticancer therapy and the cloning of the hTR gene promoter allows the analysis of therapeutic molecules which modulate hTR promoter activity. Sequences AA207324-332 and AA200332-340 represent constructs with hTR promoter sequence element
                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                        Query Match
Best Local
                          Telomerase RNA; TR; promoter; cytotoxin; cancer; neoplasia; hTR; gene therapy; thymidine kinase gene; anticancer therapy; human;
                                                                     Mutated hTR promoter fragment containing construct 114.
                                                                                                                              AAZ00340;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Telomerase RNA; TR; promoter; cytotoxin; cancer; neoplasia; hTR; gene therapy; thymidine kinase gene; anticancer therapy; human; ss.
                                                                                                   22-OCT-1999
                                                                                                                                                            AAZ00340 standard; DNA; 47 BP
                                                                                                                                                                                                                                                                                                                                                   Sequence 47 BP; 8 A; 7 C; 18 G; 14 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; Fig 19; 109pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mouse and human telomerase RNA gene promoters, useful for tumor specific gene therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1999-479183/40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Keith WN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               29-JAN-1998;
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Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (CANC-) CANCER RES CAMPAIGN TECHNOLOGY.
                                                                                                                                                                                                                                  28
                                                                                                                                                                                                                                                              æ
                                                                                                                                                                                                                                                                                            20;
                                                                                                                                                                                                                                                                                                         Similarity
                                                                                                                                                                                                                                  TGGCCATTTTTTGTCTAACC 47
                                                                                                                                                                                                                                                  TGGCCATTTTTTGTCTAACC 27
                                                                                                                                                                                                                                                                                          ilarity 100.0%; I Conservative 0;
                                                                                                  (first entry
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 98GB-0001902
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            99WO-GB00308
                                                                                                                                                                                                                                                                                                        66.7%; Score 20; DB 20; 100.0%; Pred. No. 0.1;
                                                                                                                                                                                                                                                                                            Mismatches
                                                                                                                                                                                                                                                                                          0,
                                                                                                                                                                                                                                                                                                                       Length 47;
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Indels

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Gaps

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RESULT 6
AAS15466
ID AAS1
AAS16466
ID AAS1
XX AAS1646
XX AAS1
XX AAS1
XX AAS1
XX AAS1
XX Mamm
XW MAMM
XW HTR
XW LYMM
XW Leic
XX LYMM
X
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Best Local S
Matches 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       of individuals, e.g. paternity testing, based on hTR gene restriction fragment length polymorphism (RFLP) pattern. PNAs are also useful as probes to detect the RNA component of a mammalian telomerase and as inhibitors of telomerase activity. The method of the present invention allows cancerous conditions to be detected with increased confidence and possibly at an earlier stage, before cells are detected as cancerous based on pathological characteristics. The diagnostic and prognostic methods of the present invention can be used to detect an immortal or neoplastic cell or tumour tissue or cancer of any origin, provided the cell expresses telomerase activity and its RNA component.
                     The present invention relates to peptide nucleic acids (PNAs), comprising a sequence of 6-25 nucleobases, that inhibit telomerase activity in mammalian cells by hybridising to the RNA component of mammalian telomerase. The PNAs are useful as probes to detect the RNA component of mammalian telomerase and as inhibitors of telomerase activity, or to detect and/or quantitate polynucleotide having the human telomerase RNA component (hTR) sequence, as well as in forensic identification of individuals, such as paternity testing or identification of criminal
                                                                                                                                                                                                                                                                                                                                                                                 New peptide nucleic acids that hybridises to the RNA component of mammalian telomerase, useful for treating or preventing cancer, inflammation, lymphoproliferative diseases, autoimmune disease, o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      lymphoproliferative disease; autoimmune disease; hyperplasia; neurodegenerative disease; neoplasia; HIV; AIDS; cytostatic; human immunodeficiency virus; acquired immunodeficiency syndro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14-FEB-2002
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                                                                                                                                                                                                                                                                                                                                                        neurodegenerative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-638024/73.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           09-APR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       09-APR-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            25-SEP-2001
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                                                                                                                                                                                                                                                                                                2; Column 34;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         metabolism;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CCATTTTTTGTCTAACCCTA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CCATTTTTTGTCTAACCCTA 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       n; paternity testing; human telomerae RFLP pattern; cancer; inflammation; cliferative disease; autoimmune disea
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Wright
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TEXAS SYSTEM.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
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96US-0630019.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                anti-inflammatory; immunosuppressive;
                                                                                                                                                                                                                                                                                             46pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Piatyszek MA,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ВP
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Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      forensic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
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                The RNA components of (non) human mammalian telomerase(s) especially from mouse, rat and chinese hamster are all claimed. Antisense oligonucleotides can be used to block the activity of the telomerase; probes and primers can be used in detection; vectors and host cells transformed with the isolated telomerase genes can be used for production of telomerase; RNA and DNA ribozymes and triplex forming oligonucleotides directed against the telomerase genes can be used therapeutically as can plasmids. A mouse which lacks the telomerase gene (also claimed) can be used for study of telomera regulation in vivo, and the role it plays in immortalisation. Two primers (AAT11045, AAT11046) were used to amplify a fragment of the base to the study of telomera regulation.
                                                                                                                                                                                                                                                                                                                                                                                      RNA components of (non)human mammalian telomerase(s) studying cell senescence and immortalisation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      07-JUL-1994;
27-OCT-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      07-JUN-1995;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Telomerase;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Primer used
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                                                                                                                                                                                                                                                                                                                                     Example 10; Page 55; 85pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 1996-097428/10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Marhuenda MA,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Substances, identified in the methods, can be used to block transcription from the TR gene promoter through interaction of the 5' regulatory sequences. These substances, e.g. antisense oligonucleotides, transcription factors, peptide nucleic acids and factors that disrupt signal transduction, are useful for cancer therapy. In particular, gene therapy vectors (especially pGTG-codAupp) comprising the promoter and a viral thymidine kinase gene can be used to convert a prodrug, e.g. gancyclovir, so that neoplasia can be controlled or treated. Direct down-regulation of telomerase RNA gene through manipulation of transcription factors may be effective anticancer therapy and the cloning of the hTR gene promoter allows the analysis of therapeutic molecules which modulate hTR promoter activity. Sequences AAZ07324-332 and AAZ00332-340 represent constructs with hTR promoter sequence element mutations.
This is an oligonucleotide used in the measurement of Tm values and their complimentary peptide nucleic acids (PNAs), (e.g. AAT89225-T89227). PNAs hybridise specifically to an RNA component of mammalian telomerase, and include the sequence GGG for specific hybridisation to the template region of this component. PNAs can be as probes to detect the RNA component of mammalian telomerase and as inhibitors of telomerase activity, especially in the treatment of
                                                                                                                                                                                                                                                                                              New peptide nucleic acids hybridising to mammalian telomerase used to inhibit telomerase, for treating tumours and other proliferative diseases, also for diagnosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  09-APR-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DNA oligonucleotide 2, used in the measurement of Tm values.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            09-APR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              16-OCT-1997.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO9738013-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Peptide nucleic acid; FNA; cancer; telomerase; probe; hybridisation; inhibitor; human telomerase RNA; hTR; PCR; oligonucleotide; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12-MAY-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAT89246 standard; DNA; 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence
                                                                                                                                                                                                                                            Example
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Similarity
25; Conser
                                                                                                                                                                                                                                         2; Page 49; 76pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GERON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GGTGGTGGCCATTTTTTGTCTAACC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Norton JC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    83.3%; Sc.larity 100.0%; P
Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BP; 9 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            96US-0630019
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     97WO-US05931
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7 C; 17 G; 14 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Piatyszek MA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ΒP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 25;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Shay JW, Wright
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 20; 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 47,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                               used
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Query Match

Sequence

23

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ហ A,

7 C; 1

G; 10 T; 0

other;

66.7%;

Score 20;

DB 18;

Length 23;

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Best Lo
                                                                                                                                                            New peptide nucleic acid (PNA) compounds activity in mammalian cells is useful as component of a mammalian telomerase -
                                                                                                                                                                                                                                                                                                                                                      Peptide nucleic acid; PNA; telomerase; ribonucleoprotein enzyme; can inhibitor; neoplasia; neurodegenerative disease; aging; hyperplasia; AIDS; HIV, fungal infection; forensic identification; detect; tumour paternity testing; ss.
                                                                                                                                                Example 2; Column 33; 45pp; English.
                                                                                                                                                                                                      Wright WE,
                                                                                                                                                                                                                                 09-APR-1996;
                                                                                                                                                                                                                                              09-APR-1997;
                                                                                                                                                                                                                                                           04-APR-2000
                                                                                                                                                                                                                                                                                                                       misc_feature
                                                                                                                                                                                                                                                                                                                                            Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                        15-AUG-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                  AAA37568 standard; DNA;
                                                                                                                                                                                                                                                                        US6046307-A
                                                                                                                                                                                                                                                                                                                                                                                         PNA sequence
                                                                                                                                                                                                                    (TEXA ) UNIV TEXAS SYSTEM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11 CCATTTTTTGTCTAACCCTA 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              l Similarity 100.0%;
20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CCATTTTTGTCTAACCCTA 20
                                                                                                                                                                                                    Piatyszek .MA,
                                                                                                                                                                                                                                                                                                                                                                                          #26 used to inhibit telomerase activity.
                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                 96US-0630019.
                                                                                                                                                                                                                                              97US-0838545.
                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                           "Peptide nucleic acid molecule, N-(2-aminoethyl)glycine units a nucleotide bases via glycine am
                                                                                                                                                                                                                                                                           methylenecarbonyl linker"
                                                                                                                                                                                                                                                                                                                                                                                                                                  23
                                                                                                                                                                                                      Shay
                                                                                                                                                                                                                                                                                                                                                                                                                                  ВÞ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pred. No. 0.1; 
; Mismatches
                                                                                                                                                                                                     W,
                                                                                                                                                                                                     Norton JC,
                                                                                                                                                                  probes to detect the RNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                  where
are linked
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telomerase RNA (TR) component genes.
                                    The invention relates to promoter regions
jions from mouse and human
The TR gene promoter can be linked
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or upregulation of telomerase expression

cancer

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RESULT 2
AAZ00337
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     telomerase RNA (TR) component genes. The TR gene promoter can be linked CC to a heterologous gene, especially a gene encoding a cytotoxin, for CC therapy of cancer, especially neoplasias. The telomerase is necessary for the unrestricted proliferative capacity of many human cancers. Mutation CC or dysregulation of the telomerase repression pathway may cause CC reactivation or upregulation of telomerase expression in cancer.

CC Substances, identified in the methods, can be used to block transcription CC from the TR gene promoter through interaction of the 5' regulatory CC sequences. These substances, e.g. antisense oligonucleotides, transcription factors, peptide nucleic acids and factors that disrupt CC transcription factors, peptide nucleic acids and factors that disrupt CC therapy vectors (especially pGT62-codaup) comprising the promoter and a CC viral thymidiae kinase gene can be used to convert a producy, e.g. CC gancyclovir, so that neoplasia can be controlled or treated. Direct CC down-regulation of telomerase RNA gene through manipulation of treates may be effective antisencer therapy and the cloning cCC transcription factors may be effective antisencer through manipulation of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  of the hTR gene promoter allows the analysis of therapeutic molecules which modulate hTR promoter activity. Sequences AAZ07324-332 and AAZ00332-340 represent constructs with hTR promoter sequence element
                                                       Disclosure;
                                                                                                                Mouse and
                                                                                                                                                   WPI; 1999-479183/40
                                                                                                                                                                                                                                                                                                                                           05-AUG-1999.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         gene therapy; thymidine kinase gene;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Telomerase RNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mutated hTR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAZ00337 standard; DNA; 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          transcription factors may be effective anticancer therapy and the cloning
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure;
                                                                                            specific
                                                                                                                                                                                                                                                                                                     29-JAN-1999;
                                                                                                                                                                                                                                                                                                                                                                              WO9938964-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        22-OCT-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAZ00337;
                                                                                                                                                                                                                                                                29-JAN-1998;
                                                                                                                                                                                         Keith WN
                                                                                                                                                                                                                            (CANC-) CANCER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Similarity
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                                                                                          gene therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GGGGTGGTGGCCATTTTTTGTCTAACC 47
                                                                                                              human telomerase
                                                     Fig 19; 109pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                promoter fragment containing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Fig 19; 109pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BP; 8 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     relates
                                                                                                                                                                                                                            RES
                                                                                                                                                                                                                                                                98GB-0001902.
                                                                                                                                                                                                                                                                                                     99WO-GB00308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TR; promoter; cytotoxin;
                                                                                                                                                                                                                            CAMPAIGN TECHNOLOGY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        90.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               7 C; 19 G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     promoter regions
                                                                                                          RNA gene
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 27;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13 T; 0 other;
                                                                                                              promoters,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         anticancer therapy; human; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cancer; neoplasia; hTR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  construct 112 (RCE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ..6e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 from mouse and human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0
                                                                                                              useful
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                                                                                                            for tumor
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RESULT 3
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   reactivation or upregulation of telomerase expression in cancer. Substances, identified in the methods, can be used to block transcription from the TR gene promoter through interaction of the 5' regulatory sequences. These substances, e.g. antisense oligonucleotides, transcription factors, peptide nucleic acids and factors that disrupt signal transduction, are useful for cancer therapy. In particular, gene therapy vectors (sepecially pGT62-codAupp) comprising the promoter and a viral thymidine kinase gene can be used to convert a prodrug, e.g. gancyclovir, so that neoplasia can be controlled or treated. Direct down-regulation of telomerase RNA gene through manipulation of transcription factors may be effective anticancer therapy and the cloning of the hTR gene promoter allows the analysis of therapeutic molecules which modulate hTR promoter activity. Sequences AAS07324-332 and AAS00332-340 represent constructs with hTR promoter sequence element
           The invention relates to promoter regions from mouse and human telomerase RNA (TR) component genes. The TR gene promoter can be linked to a heterologous gene, especially a gene encoding a cytotoxin, for therapy of cancer, especially neoplasias. The telomerase is necessary for the unrestricted proliferative capacity of many human cancers. Mutation or dysregulation of the telomerase repression pathway may cause
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               therapy of cancer, especially neoplasias. The telomerase is necessary for the unrestricted proliferative capacity of many human cancers. Mutation or dysregulation of the telomerase repression pathway may cause
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 47
                                                                                                                        Disclosure; Fig 19; 109pp; English.
                                                                                                                                                                    Mouse and human telomerase RNA gene promoters, useful for tumor
                                                                                                                                                                                                                                    Keith
                                                                                                                                                                                                                                                                                                 29-JAN-1998;
                                                                                                                                                                                                                                                                                                                                29-JAN-1999;
                                                                                                                                                                                                                                                                                                                                                              05-AUG-1999
                                                                                                                                                                                                                                                                                                                                                                                             WO9938964-A2
                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mutated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        22-OCT-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAZ00338;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             to a heterologous gene, especially a gene encoding a cytotoxin,
                                                                                                                                                       specific
                                                                                                                                                                                                   WPI; 1999-479183/40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAZ00338 standard; DNA; 47 BP
                                                                                                                                                                                                                                                                   (CANC-) CANCER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              w
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        hTR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
                                                                                                                                                       gene therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GGTGGTGGCCATTTTTTGTCTAACC 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       promoter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BP; 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          thymidine
                                                                                                                                                                                                                                                                   RES CAMPAIGN TECHNOLOGY
                                                                                                                                                                                                                                                                                                   98GB-0001902.
                                                                                                                                                                                                                                                                                                                                99WO-GB00308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A; 7 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       promoter; cytotoxin; cancer; neoplasia; hTR;
dine kinase gene; anticancer therapy; human;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        fragment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20 G; 14 T; 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       containing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            . No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 20; 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        construct 113 (mSp1+mRCE).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              47
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Title:
Perfect score:
Sequence:

GGGGTGGTGGCCATTTTTTGTCTAACCCCTA 30

Scoring table:

OLIGO_NUC Gapop_60.0 , Gapext 60.0

2185239 seqs, 1125999159 residues

Run

on:

OM nucleic -

nucleic search, using sw model

GenCore version 5.1.6 Copyright (c) 1993 - 2003 Compugen Ltd

Minimum DB seq length: 0 Maximum DB seq length: 50

Total number of hits satisfying

chosen parameters:

2166140

Post-processing: Listing first 45 summaries

Database

Word size :

0

Searched:

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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2: /SIDS2/gcgdata/geneseq/geneseqn-embl/NA1981.DAT:*
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Mutated hTR promot
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Mutated hTR promot
DAR oligonucleotide
PAR sequence #26 u
Oligonucleotide #2
Primer used for pr
Human tellomerase R
                                                                                                                                                                                                                                                                                                                            Description
RESULT 1
AAZOO336
ID AAZOO336;
XX
AAZOO336;
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AAZOO336;
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CAAAZOO336;
XX
Telomerase RNA; TR; promoter;
XX
Telomerase RNA; TR; promoter;
XW
Telomerase RNA; TR; promoter;
XW
Gene therapy; thymidine kinas
OS
Homo sapiens.
OS
Synthetic.
XX
PD
W09938964-A2.
XX
PD
O5-AUG-1999.
XX
XX
Z9-JAN-1999; 99WO-GB00308.
XX
XX
PF
29-JAN-1998; 98GB-0001902.
XX
XX
PT
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Keith WN;
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MOUSE and human telomerase RN
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MOUSE and human telomerase RN
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       Mouse and human telomerase RNA gene promoters, useful for specific gene therapy
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mutated hTR promoter fragment containing construct 111(mSpl.4).
                                                                                                                                                                                                                                (CANC-) CANCER RES CAMPAIGN TECHNOLOGY.
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AAH26730
AAH26734
AAS15426
AAS15459
AAS15464
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AAA37591
AAS15462
AAT10286
AAT11032
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Human transglutami
peptide nucleic ac
Human RERF-LC-Al
PNA sequence #4 us
Antisense sequence #52 u
PNA sequence #52 u
PNA sequence #52 u
PNA prophosphoramidate-li
Phosphoramidate-li
Phosphoramidate-li
Phosphoramidate-li
Phosphoramidate-li
Phosphoramidate-li
PNA 5/XII inhibiting h
PNA 2 inhibiting h
PNA 3 inhibiting 
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                                        tumor
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Result

Score

Length

DB

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SUMMARIES

2222222222

90.0 83.3 83.3 66.7 66.7

47 47 23 23 27 27 47

AAZ00336 AAZ00337 AAZ00338 AAT89246 AAA37568 AAA375446 AAT11045 AAX90787 AAX90787

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FILLING DATE: 22-May-2000

CLASSIFICATION LOWER: 06/330,123

PRICE APPLICATION MOMERS: 06/330,123

PRICE APPLICATION MOMERS: 06/330,123

ATTORNEY/MAGENTER: 06/330,123

ATTORNEY/MAGENTER: 06/330,123

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ATTORNEY/MAGENTER: 06/330,123

REGISTRATION NUMBER: 15.302-000810

TELECOMMUNICATION HOMERS: 0.023

REGISTRATION NUMBER: 15.302-000810

TELECOMMUNICATION HOMERS: 0.023

REGISTRATION NUMBER: 15.302-000810

TELECOMMUNICATION: 16.303

REGISTRATION NUMBER: 15.302-000810

TELECOMMUNICATION: 16.303

REGISTRATION NUMBER: 15.302

APPLICANT: No. 604307Con. James C.
APPLICANT: No. 604307Con. Jame
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Search completed: June 24, 2003, 16:54:54 Job time: 29.7603 secs

GENERAL INFORMATION:

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Application US/08520550A

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RESULT 13
US-08-998-443-26/c
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                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                        Sequence
                                                                                                                           Patent No.
                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS
             TITLE OF INVENTION: NUMBER OF SEQUENCES:
                                                       APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
FILING DATE: 27-OCT-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/387,524
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
FILING DATE: 29-AUG-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELECOMMUNICATION INFORMATION:
                                           APPLICANT:
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CITY: Lexington
                                                                                                                                                                                                                                                                                                    Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Granahan, Patricia REGISTRATION NUMBER: 32, REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0,
                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE:
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                                                                                                                           26, Application US/08998443
5. 6054575
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Two Militia Drive
                                                                                                                                                                                                                                                                                                                                                                                                                  20 base pairs
                     Andrews, William H.
VENTION: Mammalian Telomerase
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Funk, Walter
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                                                                                                                                                                                                                                                                                   46.7%; Score 14; DB llarity 100.0%; Pred. No. 43 Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                     DB 3;
                                                                                                                                                                                                                                                                                                                   Length 20;
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US-09-580-517-4/c
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                                                                                                                                                                                                                                                                                                                                              Sequence 4, Application US/09580517
Patent No. 6320039
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/0
FILING DATE: 05-JUN-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: STOTELLA, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 01
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ENGTH:
              ZIP: 94301
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: PATENTIA Release #1.0, Version
CURRENT APPLICATION DATA:
                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and To
                                                                                                                                                                                                                                                          ANDREWS, William H. TITLE OF INVENTION: HUMAN TELOMERASE
                                                                                                                                                                                                                                                                                                                               APPLICANT: VILLEPONTEAU, Bryant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TTTGTCTAACCCTA 7
                                                                                                                                                      CITY: Palo Alto
STATE: California
APPLICATION NUMBER: US/09/580,517
                                                                                                                                        COUNTRY: US
                                                                                                                                                                                                                                               OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
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                                                                                                                                                                                                                                                                                               FENG, Junl:
FUNK; Walte
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        576-0300
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100.0%;
                                                                                                                                                                                                           Townsend and Townsend Khourie and Crew
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US-08-485-778-6/c
                                                                                                                                                                                       MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC COMPALIBLE

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/88/485,778

FILING DATE: 07-US-1995

CLASSIFICATION ATA:

APPLICATION NUMBER: US 08/387,524

PILING DATE: 13-FEB-1995

PRIOR APPLICATION NUMBER: US 08/387,524

PILING DATE: 13-FEB-1995

PRIOR APPLICATION NUMBER: US 08/330,123

FILING DATE: 27-OCT-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/272,102

PILING DATE: 07-UUL-1994

ATTORNEY/AGENT INFORMATION:

NAME: GRAPABOR DETTICE:

NAME: GRAPABOR DETTICE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 46.7%; Score 14; DB 2; Best Local Similarity 100.0%; Pred. No. 43; Matches 14; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO: 26: SEQUENCE CHARACTERISTICS:
                                                                                    NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSHL94-05A4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Andrews, William H.
APPLICANT: Avilion, Ariel Athena
APPLICANT: Feng, Junii
APPLICANT: Funk, Walter
APPLICANT: Greider, Carol
APPLICANT: Greider, Carol
APPLICANT: Marhnenda, Maria Antonia Blasco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION:
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COUNTRY: U-
02173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PLICANT: Villeponteau, Bryant
TLE OF INVENTION: RNA COMPONENT OF TELOMERASE
MARR OF SEQUENCES: 45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic
STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE:
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E: MA
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B: Hamilton, Brook, Smith & Reynolds, P.C.
Two Militia Drive
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          576-0200
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RESULT 12
US-08-520-550A-6/c
                                                                                                                                                                                                                                                          ; TOPOLOGY: linear; MOLECULE TYPE: RNAUS-08-472-802C-41
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-472-802C-41/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY: USA

COUNTRY: USA

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy diak

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION NUMBER: US/08/472,802C

FILING DATE: 07-JUN-1995

CLASSIFICATION NUMBER: US/08/272,102

FRIING DATE: 07-JUL-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/230,123

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/330,123

FRIING DATE: 27-OCT-1994

PRIOR APPLICATION NUMBER: US/08/330,123

FRIENCE/JOCKET NUMBER: 30,223

REFERENCE/JOCKET NUMBER: 30,223

REFERENCE/JOCKET NUMBER: 35,230

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                          Matches
                                                                                                                                                                                                                  Query Match
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                                                                                                                                                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STREET: Two Entered STREET: San Francisco STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junil
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                     LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE:
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                                                                                      20
                                                                                                                                                                          14;
                                                                                                                                                                                                 Similarity
                                                                                                                                                                     46.7%; Score 14; DB 2; illarity 100.0%; Pred. No. 43; Conservative 0; Mismatches
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                                                                                                                                                                                                                  Length 20
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                                                                                                                                                                                                                                                                                                                                                                            Sequence 4, Application US/08330123A Patent No. 5583016
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US 08/630
FILING DATE: 09-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 0153
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: (415) 576-0200
TELEPAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 49
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOPTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
                                                                                                  NUMBER OF SEQUENCES: 2: CORRESPONDENCE ADDRESS:
                                                                                                                                                            APPLICANT: VILLEPONTEAU, Bryant
APPLICANT: FENG, Junii
APPLICANT: FUNK, Walter
APPLICANT: ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: RNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Modulation of Mammaliantitle OF INVENTION: Peptide Nucleic Acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
nes 8; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 1
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CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US/09/349,532
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                             STREET:
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                                                                     ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     16 TTTTGTCTAACCCTA 30
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Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  California
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Wright, Woodring E.
Piatyszek, Mieczyslaw A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 USA
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                                                                 Townsend and Townsend Khourie and Crew
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R-1997
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ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy d
                                                             APPLICATION NUMBER: US/08/660,678A
FILING DATE: 05-7UN-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                        MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
TOTAL TOTAL
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APPLICATION NUMBER: US 08/272,102 FILING DATE: 07-JUL-1994

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US-08-660-678A-26/c
                                                                                                                                                                                                                                 Patent No. 5837857
                                                                                                                                                                                                                                                       Sequence 26,
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Best Local S
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APPLICATION UNMBER: US 08/272,102
FILING DATE: 07-ULL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 15389-0008
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: Villepo
APPLICANT: Feng,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS
STREET: IWO CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/0
FILING DATE: 27-OCT-1994
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                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE:
                                                                                                         NUMBER OF SEQUENCES:
                                                                                                                             TITLE OF
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OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                        Similarity
                                                                                                                          I: Andrews, William H.
INVENTION: Mammalian Telomerase
                                                                                                                                                                                                                                                       Application US/08660678A
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                                                                                                                                                             Feng, Junli
Funk, Walter
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TLE OF INVENTION:

RNA Component of Telomerase: 47

Greider, Carol
Marhuenda, Maria A. B.
Villeponteau, Bryant

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APPLICANT: Johns Hopkins University
APPLICANT: Greider, Carol W.
APPLICANT: Le, Siyuan
III'LE OF INVENTION: TELOMERASE-ASSOCIATED PROTEINS
FILE REFERENCE: 07265/157001
CURRENT APPLICATION NUMBER: US/09/286,959B
CURRENT FILING DATE: 1999-04-06
FRIOR APPLICATION NUMBER: 60/080,783
PRIOR APPLICATION NUMBER: 60/080,783
PRIOR APPLICATION NUMBER: 60/080,783
PRIOR PILING DATE: 1998-04-06
NUMBER OF SEQ ID NOS: 24
SOPTWARE: PASTSEQ for Windows Version 4.0
SEQ ID NO 3
LENGTH: 28
TYPE: DNA
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PILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
PILING DATE: 07-UUL-1994
ATTORNEY/AGENT IMFORMATION:
NAME: GRANAHAN, Patricia
REGISTRATION NUMBER: 32,227
REPERENCE/DOCKET NUMBER: CSHL94-05A3B
REJCOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
INFORMATION: 617-861-9540
INFORMATION: CSHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
LENGTH: 27 base pairs
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Matches
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CURRENT APPLICATION DATA:
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ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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Pred. No. 0.029;
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RESULT 7 US-09-349-532-49

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; TOPOLOGY: 11; ; MOLECULE TYPE: US-08-838-545-49
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Best Local Similarity
Matches 20; Conserv
                                                                  Query Match
Best Local Similarity
Matches 8; Conserv
                                                                                                                                                                                                                                                                                        SOFTWARE: Patentin Release #1.0, Ver CURRENT APPLICATION NUMBER: US/08/838,545 FILING DATE: 09-APR-1997 CLASSIFICATION DATA: CLASSIFICATION DATA: APPLICATION NUMBER: US 08/630,019 FILING DATE: 09-APR-1996 ATTORNEY/AGENT INFORMATION: NAME: Storella, John R. REGISTRATION NUMBER: 32,944 REGISTRATION NUMBER: 015389-0016 TELECOMMUNICATION INFORMATION: TELECOMMUNICATION INFORMATION: TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                         TELEFAX: (415) 576-030 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Artificial Sequence FEATURE:
OTHER INFORMATION: Primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Flopy disk
COMPUTER: IBM PC Computible
ODERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Piatyszek, Mieczysław A.
APPLICANT: Corey, David R.
APPLICANT: No. 6046307ton, James C.
TITLE OF INVENTION: Modulation of Mammalian Telomerase by
TITLE OF INVENTION: Peptide Nucleic Acids
NUMBER OF SEQUENCES: 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: Two Embarcac
CITY: San Francisco
                                                                                                                                                                                     LENGTH: 31 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              49,
                                 16 TTTTGTCTAACCCTA 30
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Two Embarcadero Center, Eighth Floor
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                                                                    Conservative
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                                                                                                                                                     RNA (genomic)
                                                                                                                                                                                                                                                                            576-0300
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                                                                               50.0%; Score 15; DB 3; 53.3%; Pred. No. 13;
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                                                                    Mismatches
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0.029;
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                                                                  Gaps
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US-08-838-545-26

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Best Local (
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                                                                                                     Query Match
                                                                        Matches
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FILING DATE: 09-APR-1997
APPLICATION NUMBER: US 08/630,019
FILING DATE: 09-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                       TELEPHONE: (415) 576-020
TELEPAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                 REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-001610US
TELECOMMUNICATION INFORMATION:
7161 E72-0700
                                                                                                                                                                                                                           MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: No. 6294650ton, James C.
TITLE OF INVENTION: Modulation of Mammalian Telomerase
TITLE OF INVENTION: Peptide Nucleic Acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Corey, David R. APPLICANT: No. 6294650ton,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: San Francisco
                                                                                                                                                                                                                                                                         TYPE: nucleic acid
                                                                                         Local
                                                                                                                                                       DESCRIPTION:
DESCRIPTION:
                                                                                                                                                                                        DESCRIPTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION:
                                                                                                                                                                                                           DESCRIPTION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
                                                                                                                                                                                                                                             TOPOLOGY:
                                                                                                                                                                                                                                                         STRANDEDNESS:
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                                                                      Similarity 20; Conser
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                                   CCATTTTTGTCTAACCCTA 30
       CCATTTTTTGTCTAACCCTA 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Shay, Jerry W.
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                                                                                                                                                                                                                                           linear
                                                                                                                                                                                                                                                                                                                                                             (415) 576-0200
                                                                                                                                                 other nucleic acid
/desc = "peptide nucleic acid (PNA),
where (deoxy(ribose-phosphate linkages are replaced by
N-(2-aminoethyl)glycine units linked to nucleotide bases via
glycine amino N through a methylenecarbonyl linker"
                                                                                                                                                                                                                                                         single
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tive 0;
                                                                      66.7%; Score 20; DB
100.0%; Pred. No. 0.
Live 0; Mismatches
                                                                                                                                                                                                                                                                                                                            26:
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                                                                                      DB 4;
. 0.029;
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                                                                                                    Length 23;
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US-08-520-550A-20

Sequence 20, Application US/08520550A Patent No. 6013468

GENERAL INFORMATION:

APPLICANT: APPLICANT: APPLICANT:

Feng, Junli Funk, Walter

Andrews, William H. Avilion, Ariel A.

APPLICANT:

RESULT 4

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                                                                                                                          TOPOLOGY:
US-08-485-778-20
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Patent No.
                                                             Matches
                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                               PILING DATE: 13-FBB-1995
PRIOR APPLICATION DATA:
APPLICATION UNMBER: US 08/330,123
PILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION UNMBER: US 08/272,102
PILING DATE: 07-JUL-1994
                                                                                                                                                                                                                       TELEFAX: 617-861-9540 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 27 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARB: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,778
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION: TELEPHONE: 617-861-6240
                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STREET: 1 LEXINGTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
                                                                                                                                                                                                                                                                                 NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,;
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 07
CLASSIFICATION:
                                                                          Local
                                                                                                                                                         STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE:
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                                                                                                                                                                                                                                                   TELEPHONE:
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                     1 GGGGTGGTGGCCATTTTTTG 20
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                                                                             Similarity
GGGGTGGTGGCCATTTTTTG 27
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Application US/08485778
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                                                             Conservative
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Funk, Walter
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Avilion, Ariel Athena
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Marhuenda, Maria Antonia Blasco
                                                                                                                                          linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             07-JE-1995
                                                                                                                                                      single
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                                                                                                                                                                                                                                                                                                 32,227
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                                                                            Score 20; Pred. No.
                                                             Mismatches
                                                                                         Length 27;
                                                             Indels
                                                             0,
                                                             Gaps
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44 Appli 46 Appli 51 Appl 18 Appl 18 Appli 52 Appli 55 Appli 55 Appli 15 Appli 13 Appli 13 Appli 440 Appli 22 Appli 22 Appli 23 Appli 24 Appli 15 Appli 16 Appli 17 Appli 18 Appli 19 A

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Result
No.
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Perfect score:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence:
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Match
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1: /cgn2_6/ptcdata/2/ina/5A_COMB.seq:*

2: /cgn2_6/ptcdata/2/ina/5B_COMB.seq:*

3: /cgn2_6/ptcdata/2/ina/6A_COMB.seq:*

4: /cgn2_6/ptcdata/2/ina/6B_COMB.seq:*

5: /cgn2_6/ptcdata/2/ina/bTUSCOMB.seq:*

6: /cgn2_6/ptcdata/2/ina/backfIles1.seq:*
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Gapop 60.0 ,
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30
1 GGGGTGGTGGCCATTTTTTGTCTDAACCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           June 23, 2003, 19:12:24 ; Search time 28.7603 Seconds (without alignments) 319.896 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                441362 seqs, 153338381 residues
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               GGGGTGGTGGCCATTTTTTGTCTAACCCTA 30
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          US-08-838-545-26
US-09-349-532-26
US-08-485-778-20
US-08-520-550A-20
US-08-520-550A-20
US-08-38-545-49
US-08-38-1123A-4
US-08-485-778-26
US-08-472-802C-41
US-08-472-802C-41
US-08-520-560A-6
US-08-520-550A-6
US-08-520-550A-6
US-08-530-019A-17
US-08-630-019A-17
US-08-630-019A-17
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US-08-630-19A-17
US-08-630-545-46
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US-08-630-545-46
US-08-630-545-55
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                                sequence
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US-08-838-545-26
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Patent No.
                                                                                                                                                                                                                                                               COMPUTER REALABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PALENTIN Release #1.0, Version #1.
CURRENT APPLICATION NATA:
APPLICATION NUMBER: US/08/838,545
FILING DATE: 09-APR-1997
CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION UNWBER: US 08/630,019
FILING DATE: 09-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-001610US
TELEPHONE: (415) 576-0300
TELEPHONE: (415) 576-0300
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 23 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOCY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "peptide nucleic acid (PNA),
DESCRIPTION: where (deoxy/tribose-phosphate linkages are replaced DESCRIPTION: 91ycine amino N through a methylenecarbonyl linker"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Shay, Jerry W.
APPLICANT: Wright, Woodring E.
APPLICANT: Piatyszek, Mieczyslaw A.
APPLICANT: Corey, David R.
APPLICANT: No. 6046307ton, James C.
TITLE OF INVENTION: Modulation of Mammalian Telomerase
TITLE OF INVENTION: Peptide Nucleic Acids
NUMBER OF SEQUENCES: 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          26,
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US-09-349-532-52
US-09-349-532-52
US-08-630-019A-18
US-09-349-532-5
US-08-630-019A-18
US-09-349-532-5
PCT-US96-09473-15
PCT-US96-09473-15
PCT-US96-09473-13
US-08-131-7952-43
US-08-131-77-2
US-08-833-377-2
US-08-833-375-2
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APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Paoni, Nicholas F.
TITLE OP INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OP INVENTION: Acids Encoding the Same
FILE REFERENCE: P2830P1C40
CURRENT APPLICATION AUMBER: US/10/013,913A
CURRENT APPLICATION COMPAGE: US/10/013,913A
CURRENT PILING DATE: 2002-07-15
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 348
LENGTH: 23
TYPE: DNA
ORGANISM: Artificial Sequence
PEATURE:
OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-013-913A-348
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 15
US-10-013-913A-348
; Sequence 348, Application US/10013913A
; Publication No. US20030083462A1
; GENERAL INFORMATION:
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Search completed: June 24, 2003, 20:39:35
Job time: 366.455 secs
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                                                                                                                                                                                Query Match
Best Local Similarity
Matches 12; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan 1.
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Gao, Wei-Qiang
Goddard, Audrey
Godowski, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ferrara, Napoleone
Fong, Sherman
                                                                                                                                                                                40.0%; Score 12; DB 9; Length 23; ilarity 100.0%; Pred. No. 2.2e+03; Conservative 0; Mismatches 0; Indels
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APPLICATION NUMBER: FILING DATE: 1998-01 APPLICATION NUMBER:

60/101068)-18 60/101071

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APPLICANT: Bater, Kevin P.
APPLICANT: Bater, Kevin P.
APPLICANT: Bater, Luc
APPLICANT: Baton, Dan 1
APPLICANT: Eaton, Dan 1
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Goodward, Audrey
APPLICANT: Goodward, Audrey
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Pol
TITLE OF INVENTION: Acids Encoding the Same
FILE AFFERENCE: PASSOPICI3
CURRENT FILING DATE: 2002-03-19
PRIOR FILING DATE: 2001-07-09
NUMBER OF SEQ ID NOS: 477
SEQ ID NO 348
TYPE: DNA
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US-10-006-117A-348
; Sequence 348, App
; Publication No. U
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Best Local S
Matches 12
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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OR APPLICATION NUMBER: 60/103679
OR APPLICATION NUMBER: 60/103711
OR FILING DATE: 1998-10-08
OR APPLICATION NUMBER: 60/104257
OR FILING DATE: 1998-10-20
OR APPLICATION NUMBER: 60/104087
OR APPLICATION NUMBER: 60/105000
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OR APPLICATION NUMBER: 60/105104
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OR APPLICATION NUMBER: 60/105104
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OR APPLICATION NUMBER: 60/105169
OR FILING DATE: 1998-10-22
OR APPLICATION NUMBER: 60/105266
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OR APPLICATION NUMBER: 60/105694
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1 Similarity 100.0%; Pred. No. 2.2e+03;
12; Conservative 0; Mismatches 0; Indels
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o. US20030082627A1
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OR PELLICATION NUMBER: 60/101279
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OR PELLICATION NUMBER: 60/101471
OR PELLICATION NUMBER: 60/101472
OR APPLICATION NUMBER: 60/101473
OR APPLICATION NUMBER: 60/101473
OR APPLICATION NUMBER: 60/101476
OR PILING DATE: 1998-09-23
OR APPLICATION NUMBER: 60/101476
OR PILING DATE: 1998-09-23
OR APPLICATION NUMBER: 60/101477
OR PILING DATE: 1998-09-23
OR APPLICATION NUMBER: 60/101479
OR PILING DATE: 1998-09-23
OR APPLICATION NUMBER: 60/101749
OR PILING DATE: 1998-09-24
OR APPLICATION NUMBER: 60/101741
OR PILING DATE: 1998-09-24
OR APPLICATION NUMBER: 60/101741
OR PILING DATE: 1998-09-24
OR APPLICATION NUMBER: 60/101916
OR APPLICATION NUMBER: 60/1021916
OR APPLICATION NUMBER: 60/102207
OR FILING DATE: 1998-09-29
OR APPLICATION NUMBER: 60/102307
OR FILING DATE: 1998-09-29
OR APPLICATION NUMBER: 60/102307
OR APPLICATION NUMBER: 60/102404
OR APPLICATION NUMBER: 60/102407
OR APPLICATION NUMBER: 60/102570
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OR APPLICATION NUMBER: 60/102607
OR APPLICATION NUMBER: 60/102308
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OR APPLICATION NUMBER: 60/102309
OR APPLICATION NUMBER: 60/103306
OR APPLICATION NUMBE

NUMBER: 60/103678

60/098843

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RESULT 12
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NUMBER OF SEQ ID NOS: 477
SEQ ID NO 348
LENGTH: 23
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                                                                                                                                                                                                                                                                                                                                                                                Sequence 348, A Publication No.
                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
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CURRENT APPLICATION NUMBER: US/10/015,869A
CURRENT FILING DATE: 2002-06-25
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APPLICANT:
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               CURRENT APPLICATION NUMBER: US/10/006,116A CURRENT FILING DATE: 2001-12-16
                                                                TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
                                                                                                                                                                                                                                                                        APPLICANT:
                                                     FILE REFERENCE: P2830P1C15
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ORGANISM: Artificial Sequence
FEATURE:
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APPLICATION NUMBER: 60/098716
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Gao, wei-Qiang
Goddard, Audrey
Godowski, Paul J.
Grimaldi, Christopher J.
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Gao, Wei-Qiang
Goddard, Audrey
                                                                                                        Pan, James
Paoni, Nicholas F.
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Paoni, Nicholas F.
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Grimaldi, Christopher
Gurney, Austin L.
Hillan, Kenneth J.
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Hillan, Kenneth J.
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Desnoyers, Luc
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100.0%; Pred. No. 2.2e+Cive 0; Mismatches
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APPLICATION NUMBER: 60/100848
FILING DATE: 1998-09-18
APPLICATION NUMBER: 60/100849
FILING DATE: 1998-09-18
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FILING DATE: 1998-09-10
APPLICATION NUMBER: 60/099754
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                                                   APPLICATION NUMBER: 60/100919
FILING DATE: 1998-09-17
APPLICATION NUMBER: 60/100930
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FILING DATE: 1998-09-17
APPLICATION NUMBER: 60/100711
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APPLICATION NUMBER: 60/099602
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APPLICATION NUMBER: 60/099596
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FILING DATE: 1998-09-17
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FILING DATE: 1998-09-10
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APPLICATION NUMBER: 60/099812
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APPLICATION 1
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ICR APPLICATION NUMBER: 60/101071

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ICR APPLICATION NUMBER: 60/101471

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ICR APPLICATION NUMBER: 60/101472

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ICR APPLICATION NUMBER: 60/101475

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ICR APPLICATION NUMBER: 60/101479

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OR FILING DATE: 1998-10-01
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OR APPLICATION NUMBER: 60/103258
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OR APPLICATION NUMBER: 60/103314
OR FILING DATE: 1998-10-07
OR APPLICATION NUMBER: 60/103316
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APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Austrin L.
APPLICANT: Goddard, Christopher J.
APPLICANT: Goddard, Christopher J.
APPLICANT: Goddard, Nastin L.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Godneski, Paul J.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Pan, James
APPLICANT: Pan, James
APPLICANT: Pan, James
APPLICANT: Pan, James
CITTLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acide Encoding the Same
FILLE OF INVENTION: Acide Encoding the Same
FILLE REFERENCE: P2830PLC20
CURRENT APPLICATION NUMBER: US/10/012,121A
CURRENT FILLNG DATE: 2001-12-07
PATION APPLICATION NUMBER: US/10/012,121A
CURRENT FILLNG DATE: 2001-12-07
PATION 348
LENGTH: 23
TYPE: DNA
OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-012-121A-348

40.0%; Score 12; DB 9; Length 23;
Tridels
O; Gaps
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US-10-012-121A-348
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Best Local S
Matches 12
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OR FILING DATE: 1998-10-08
OR FILING DATE: 1998-10-08
OR FILING DATE: 1998-10-08
OR APPLICATION NUMBER: 60/103711
OR FILING DATE: 1998-10-14
OR APPLICATION NUMBER: 60/104257
OR APPLICATION NUMBER: 60/104987
OR APPLICATION NUMBER: 60/105000
OR FILING DATE: 1998-10-20
OR APPLICATION NUMBER: 60/105000
OR FILING DATE: 1998-10-20
OR APPLICATION NUMBER: 60/105002
OR APPLICATION NUMBER: 60/105002
OR APPLICATION NUMBER: 60/105104
OR APPLICATION NUMBER: 60/105104
OR APPLICATION NUMBER: 60/10526
OR APPLICATION NUMBER: 60/10526
OR APPLICATION NUMBER: 60/10526
OR APPLICATION NUMBER: 60/10526
OR FILING DATE: 1998-10-22
OR APPLICATION NUMBER: 60/105693
OR APPLICATION NUMBER: 60/105693
OR APPLICATION NUMBER: 60/105694
OR FILING DATE: 1998-10-26
OR APPLICATION NUMBER: 60/105694
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Botstein, David
Desnoyers, Luc
Baton, Dan 1.
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o. US20030073810A1
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o. 2.2e+03; Indels
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US-10-015-393A-348
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US-09-946-374-348
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; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-015-393A-348
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NUMBER OF SEQ ID NOS: 477
SEQ ID NO 348
LENGTH: 23
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CURRENT APPLICATION NUMBER: US/10/015,393A
CURRENT FILING DATE: 2002-06-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Baker,
                                                       TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same
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APPLICATION NUMBER: US/09/946,374 FILING DATE: 2001-09-04
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Gao, Wei-Qiang
Goddard, Audrey
Godowski, Paul J.
Grimaldi, Christopher J
Gurney, Austin L.
Hillan, Kenneth J.
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Gao, Wei-Qiang
Goddard, Audrey
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                                                                                        Watanabe, Colin K. Williams, P. Mickey Wood, William I.
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Hillan, Kenneth J.
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Grimaldi, Christopher J.
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                                                                                                                                               Stewart, Timothy A. Tumas, Daniel
                                                                                                                                                                                                                                                                                                                                                                                                               Desnoyers, Luc
Eaton, Dan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    aker, Kevin P.
Botstein, David
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o. US20030073129A1
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h, Victoria
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i, Nicholas F.
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ein, David
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                                                     Acids Encoding the Same
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Pred. No.
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                                             PRILING DATE: 1998-09-17

RAPPLICATION NUMBER: 60/100710

PRILING DATE: 1998-09-17

PREFILING DATE: 1998-09-17

PREFILING DATE: 1998-09-18

PREFILING DATE: 1998-09-19

PREFILING DATE: 1998-09-19

PREFILING DATE: 1998-09-17

PREFILING DATE: 1998-09-17
                                                                                                                                                                                                                                                             APPLICATION NUMBER: 60/100683
FILING DATE: 1998-09-17
APPLICATION NUMBER: 60/100684
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APPLICATION NUMBER: 60/099642
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APPLICATION NUMBER: 60/098803
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FILING DATE: 1998-09-16
APPLICATION NUMBER: 60/100664
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APPLICATION NUMBER: 60/100661
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APPLICATION NUMBER: 60/100627
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                                   APPLICATION NUMBER: 60/100930
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RESULT 7
US-10-006-856A-348
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US-09-817-387-7/c
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Patent No. US20010039263A1
GENERAL INFORMATION:
APPLICANT: Max-Delbruck-Centrum fur Molekulare Medizin
TITLE OF INVENTION: Chimeric Oligonucleotides and the Use Thereof
FILE REFERENCE: 101195-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 7
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Best Local :
                                                                                                                                                                                                                              Sequence 348, Publication No.
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Best Local
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CURRENT FILING DATE: 2001-03-26
PRIOR APPLICATION NUMBER: DE 197 20 151.2
PRIOR FILING DATE: 1997-05-02
NUMBER OF SEQ ID NOS: 29
                                                                                                                     APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: Description of Combined DNA/RNA Molecule: OTHER INFORMATION: oligonuclectide, linkages between positions 1 to OTHER INFORMATION: 19 are phosphorothicates, linkages between CTHER INFORMATION: positions 19 to 35 are phosphodiesters, OTHER INFORMATION: positions 21 to 35 carry 2'-OCH3 modified ribosyl OTHER INFORMATION: positions 21 to 35 carry 2'-OCH3 modified ribosyl OTHER INFORMATION: residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:

OTHER INFORMATION: Description of Artificial Sequence:

OTHER INFORMATION: oligonucleotides, linkages between positions 1

OTHER INFORMATION: to 20 are phosphorothicates,

OTHER INFORMATION: linkages between positions 22 to 34 are modified

OTHER INFORMATION: by [N-(-aminoethyl)glycine]methylene carbonyl

OTHER INFORMATION: residdues

OTHER INFORMATION: position 21 n(L) = linker is

OTHER INFORMATION: -O(PO2)-OCH2-CH-(CH2COOH)-(CH2)4-NH
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TYPE: DNA
ORGANISM: Artificial Sequence
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1 Similarity 100.0%; Pred. No. 6.4e+02;
13; Conservative 0; Mismatches 0;
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Fong, Sherman
Gao, Wei-Qiang
Goddard, Audrey
Godowski, Paul J
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                                                                                      Ferrara,
                                                                                                                Botstein, David
Desnoyers, Luc
Eaton, Dan l.
                                                                                                                                                                                                                                                   Application US/10006856A
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llarity 100.0%; Pred. No. 6.4e+02;
Conservative 0; Mismatches 0;
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                                                                    ca, Napoleone
Sherman
                                                                                                                                                                                  Kevin P.
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic FILE REFERENCE: P2830P1C4
CURRENT APPLICATION NUMBER: US/10/006,818A
CURRENT FILING DATE: 2001-12-66
PRIOT APPLICATION TEMPORED - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 477
SEO ID NO 348
LENGTH: 23
TYPE: Now.
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                                                                                                                                         ; OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-006-818A-348
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; OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-006-856A-348
                                                                 Matches
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                                                                                   Query Match
Best Local :
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APPLICANT: Paoni, Nicholas F.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REPERBUCE: P3830P1C14
CURRENT APPLICATION NUMBER: US/10/006,856A
CURRENT APPLICATION NUMBER: US/10/006,856A
CURRENT FILING DATE: 2002-05-10
NUMBER OF SEQ ID NOS: 477
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APPLICANT:
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                                                                                                                                                                             TYPE: DNA
ORGANISM: Artificial Sequence
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les 12; Conserv
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12; Conserv
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Gao, Wei-Qiang
Goddard, Audrey
Godowski, Paul J
Grimaldi, Christopher J.
                              GGTGGTGGCCAT 14
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Botstein, David
Desnoyers, Luc
Eaton, Dan 1.
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GGTGGTGGCCAT 17
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b. US20030054406A1
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                                                                 40.0%; Score 12; DB 9;
100.0%; Pred. No. 2.2e+03
tive 0; Mismatches 0
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RESULT

TELEPAX:

(415) 576-0300

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RESULT 2
US-09-018-125-4
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US-09-057-351-40
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                 SEQ ID NO 8
LENGTH: 30
TYPE: DNA
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Best Local Similarity
Matches 14; Conserv
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Best Local
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LENGTH: 24
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                                                                                    CURRENT APPLICATION NUMBER: US/09/817,387
CURRENT FILING DATE: 2001-03-26
PRIOR APPLICATION NUMBER: DE 197 20 151.2
PRIOR FILING DATE: 1997-05-02
NUMBER OF SEQ ID NOS: 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILE REFERENCE: 8656-022
CURRENT APPLICATION NUMBER: US/09/018,125A
CURRENT FILING DATE: 1999-02-03
EARLIER APPLICATION NUMBER: 60/044,507
EARLIER FILING DATE: 1997-04-21
NUMBER OF SEQ ID NOS: 9
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APPLICANT: Kondo, Seiji
APPLICANT: Cowell, John K.
                                                                                                                                                                          APPLICANT: Max-Delbruck-Centrum fur Molekulare Medizin TITLE OF INVENTION: Chimeric Oligonucleotides and the FILE REFERENCE: 101195-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: L1, Guiying
APPLICANT: TOTTENCE, Paul F.
TITLE OF INVENTION: RMASE L ACTIVATORS AND ANTISENSE OLIGONUCLEOTIDES
TITLE OF INVENTION: EFFECTIVE TO TREAT TELOMERASE-EXPRESSING MALIGNANCIES
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LENGTH: 20 base pairs
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                                                                      SOFTWARE: PatentIn Ver.
ORGANISM: Artificial Sequence
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STRANDEDNESS: single
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14; Conserv
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US-09-817-387-9/c
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Patent No. US20010039263A1
GENERAL INFORMATION:
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Best Local Similarity
SEQ ID NO 21
                CURRENT APPLICATION NUMBER: US/09/817,387
CURRENT FILING DATE: 2001-03-26
PRIOR APPLICATION NUMBER: DE 197 20 151.2
PRIOR FILING DATE: 1997-05-02
NUMBER OF SEQ ID NOS: 29
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                     APPLICANT: Max-Delbruck-Centrum fur Molekulare Medizin TITLE OF INVENTION: Chimeric Oligonucleotides and the FILE REFERENCE: 101195-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/09/817,387
CURRENT FILING DATE: 2001-03-26
PRIOR APPLICATION NUMBER: DE 197 20 151.2
PRIOR FILING DATE: 1997-05-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Max-Delbruck-Centrum fur Molekulare TITLE OF INVENTION: Chimeric Oligonucleotides # FILE REFERENCE: 101195-24
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SOFTWARE: PatentIn Ver. 2.1
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OTHER INFORMATION: Oligonucleotide, linkages between positions 1 to
OTHER INFORMATION: 15 are phosphorothicates, linkages between
OTHER INFORMATION: positions 15 to 17, 19 to 23 and 25 to 30 are
OTHER INFORMATION: phosphodiesters,
OTHER INFORMATION: linkages between positions 17 to 19 and 23 to 25
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Scoring table:
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Perfect score:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Published Applications NA:*

1: /cgn2_6/ptodata/2/pubpna/US07_PU
2: /cgn2_6/ptodata/2/pubpna/US06_NE
3: /cgn2_6/ptodata/2/pubpna/US06_NE
4: /cgn2_6/ptodata/2/pubpna/US07_NE
5: /cgn2_6/ptodata/2/pubpna/US07_NE
5: /cgn2_6/ptodata/2/pubpna/US08_NE
6: /cgn2_6/ptodata/2/pubpna/US08_NE
7: /cgn2_6/ptodata/2/pubpna/US08_NE
9: /cgn2_6/ptodata/2/pubpna/US08_NE
10: /cgn2_6/ptodata/2/pubpna/US09_NE
10: /cgn2_6/ptodata/2/pubpna/US00_NE
10: /cgn2_6/ptodata/2/pubpna/US00_NE
11: /cgn2_6/ptodata/2/pubpna/US00_NE
13: /cgn2_6/ptodata/2/pubpna/US00_NE
14: /cgn2_6/ptodata/2/pubpna/US00_NE
15: /cgn2_6/ptodata/2/pubpna/US00_NE
16: /cgn2_6/ptodata/2/pubpna/US00_NE
17: /cgn2_6/ptodata/2/pubpna/US00_NE
18: /cgn2_6/ptodata/2/pubpna/US00_NE
19: /cgn2_6/ptodata/2/pubpna/US00_NE
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Match Length
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                1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:*
3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
5: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
6: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:*
6: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:*
7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:*
9: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:*
9: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq:*
10: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq:*
11: /cgn2_6/ptodata/2/pubpna/US00_PUBCOMB.seq:*
12: /cgn2_6/ptodata/2/pubpna/US00_PUBCOMB.seq:*
13: /cgn2_6/ptodata/2/pubpna/US00_PUBCOMB.seq:*
14: /cgn2_6/ptodata/2/pubpna/US00_PUBCOMB.seq:*
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                    0. US-09-057-351-40
US-09-018-125-4
0. US-09-018-17-387-9
0. US-09-017-387-9
0. US-09-017-387-7
0. US-09-017-387-7
0. US-09-017-387-7
0. US-09-006-056A-348
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Sequence 4, Appli
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US-09-057-351-40/c
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| 45 | 44 | 43 | 42 | 41 | 40 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 | 28 | | 26 | | | 23 | 22 | 21 |
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| 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | ٥. | | 36.7 | ٥. | ٠, | 36.7 | | | σ. | σ, | ٠ | σ. | σ, | ٥, | ٥. | | 0 | 40.0 | | 40.0 |
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| US-09-750-373-37 | US-09-946-678-22 | US-09-863-040-54 | US-10-098-263B-90337 | US-10-098-263B-86266 | US-10-098-263B-82962 | US-10-098-263B-79736 | US-10-098-263B-79564 | US-10-098-263B-75989 | US-10-098-263B-68494 | US-10-098-263B-14445 | US-10-098-263B-12672 | US-09-940-185-4677 | US-09-940-185-711 | US-10-091-135-58 | US-10-091-135-57 | US-09-988-915-3 | US-09-902-176A-39 | US-09-966-451-83 | US-10-206-839-38 | US-09-976-674-50 | US-10-098-263B-116941 | US-10-098-263B-14446 | US-10-011-692A-348 | US-10-015-386A-348 |
| 37 | Sequence 22, Appl | 54, | Sequence 90337, A | | 82962, | Sequence 79736, A | | Sequence 75989, A | Sequence 68494, A | 14445 | | 7, | 711, | Sequence 58, Appl | Sequence 57, Appl | e 3, | 39, | Sequence 83, Appl | 38, | Sequence 50, Appl | Sequence 116941, | 14446 | • | Sequence 348, App |

ALIGNMENTS

```
COMPUTER READBLE FORM:

MEDIUM TYPE: Ploppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/057,351

FILING DATE: 08-APR-1994

CLASSIFICATION NUMBER: US 08/272,102

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/272,102

FILING DATE: 07-JUL-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/330,123

PILING DATE: 07-JUL-1994

PRIOR APPLICATION NUMBER: US 08/330,123

PILING DATE: 07-JUL-1994

PRIOR APPLICATION NUMBER: US 08/472,802

FILING DATE: 07-JUN-1995

APTORNEY/AGENT INFORMATION:

NAME: Stoxella, John R.

REGISTRATION NUMBER: 32,944

REFERENCE/DOCKET NUMBER: 01.5389-000821US

TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 40, Application US/09057351
Patent No. US20010034439A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEB: Townsend and Connect and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STREET: Two Embarcac
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             94111-3834
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APPLICANT: Feng, Junli APPLICANT: Funk, Walter APPLICANT: Greider, Carol

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APPLICANI: Full, marcol
APPLICANI: Greider, Carol
APPLICANI: Marhuenda, Maria A.B.
APPLICANI: Villeponteau, Bryant
TITLE OF INVENTION: RNA Component of Telomerase
FILE REFERENCE: CSHL94-05A7
CURRENT FILING DATE: 1996-03-01
EARLIER APPLICATION NUMBER: 08/623,166
EARLIER APPLICATION NUMBER: 08/520,50
EARLIER FILING DATE: 1996-03-28
EARLIER FILING DATE: 1996-03-28
EARLIER FILING DATE: 1996-06-07
EARLIER FILING DATE: 1995-06-07
EARLIER APPLICATION NUMBER: 08/387,524
EARLIER APPLICATION NUMBER: 08/387,524
EARLIER APPLICATION NUMBER: 08/330,123
EARLIER APPLICATION NUMBER: 08/272,102
EARLIER FILING DATE: 1994-10-27
EARLIER FILING DATE: 1994-10-27
EARLIER FILING DATE: 1994-07-07
NUMBER: 05 50 ID NOS: 61
SOFUMARE: FastESD for Windows Version 3.0
FORDANISM: Artificial Sequence
FEATURE:
FORTH: 20
TYPE: RNA
OCHER INFORMATION: Synthetic oligonucleotides
US-09-259-943-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 15
US-09-370-455-26
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COMMUTER READABLE FORM:

MEDIUM TYPE: FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/370,455

FILING DATE:

CLASSIFICATION NUMBER: US 08/630,019

FILING DATE: 09-JUN-1996

ATTORNEY/AGENT INFORMATION:

NAME: SCYPTIA: TANKER

ANDER: SCYPTIA: T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Shay, Jerry W.
APPLICANT: Wright, Woodring E.
APPLICANT: Piatyszek, Mieczyslaw.A.
APPLICANT: Corey, David
APPLICANT: Norton, James C.
TITLE OF INVENTION: Modulation of Mammalian Telomerase
TITLE OF INVENTION: Peptide Nucleic Acids
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
Annerscree Townsend and Townsend and Crew LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  uence 26, Application US/09370455
NERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco
STATE. California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 20;
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Search completed: June 24, 2003, 18:22:28 Job time: 1298.44 secs
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                                                                                                                                                                                                                   Query Match 46.7
Best Local Similarity 57.1
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                           REGISTRATION NUMBER: 32,944

REFRENCE/DOCKET NUMBER: 015389-001600US

TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200.
TELEPHONE: (415) 576-0200.
TELEPHONE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 25 base pairs
TYPE: nucleic acid
STOPLOGY: linear
MOLECULE TYPE: other nucleic acid (PNA),
DESCRIPTION: where (deoxy) ribose-phosphate linkages are replaced by
DESCRIPTION: where (deoxy) ribose-phosphate linkages wis
DESCRIPTION: 919cine amino nitrogen through a methylenecarbonyl linker"
DESCRIPTION: glycine amino nitrogen through a methylenecarbonyl linker"
                                                                                                           17 TTTGTCTAACCCTA 30 :::|:|:||||||:|
                                                                                                                                                                                                                   46.7%; Score 14; DB 17; Length 25; 57.1%; Pred. No. 2.4e+03; tive 6; Mismatches 0; Indels
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_Best Local Similarity
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; ANTI-SENSE: Y
US-08-521-634-25
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                                                 US-08-660-678-4
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Best Local Similarity
                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                            INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 15389-000811
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                           MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                          SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELECOMMUNICATION INFORMATION
                                                                MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: FENG, Junli
APPLICANT: FUNK, Walter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET: Two CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER:
                                                                                            STRANDEDNESS:
                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US 08/272,102 FILING DATE: 07-JUL-1994
                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ENGTH:
                                                                                                                           ENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DDRESSEE:
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                                                                                                          nucleic acid
                                                                                                                           20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Two Embarcadero Center, 8th Floor
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                       (415) 326-2422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       linear.
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100.0%;
 46.7%;
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Pred. No.
 Score 14; DB 10;
Pred. No. 2.3e+03;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .3e+03
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              Length 20;
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RESULT 14
US-09-259-943-26/c
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US-09-057-351-40/c
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                                                                                                                                    Matches
                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRILING DATE: 08-APR-1994
FILING DATE: 08-APR-1994
CLASSIFICATION DATA:
PRIOR APPLICATION NUMBER: US 08/272,102
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UU-1994
PRIOR APPLICATION NUMBER: US 08/330,123
                                                                                                                                                    Best Local
                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US 08/330
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION UNMBER: US 08/472
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION UNMBER: 32,944
REFERENCE/DOCKET NUMBER: 0153
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                     TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: Patentin Rel
CURRENT APPLICATION DATA:
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ADDRESSEE: Townsend and Townsend and Crew LLP
                                                                                                                                                                                                                      MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PLICANT: Andrews, William H. TLE OF INVENTION: Mammalian Telomerase
                                                                                                                                                                                                                                                  STRANDEDNESS:
                                                                                                                                                                                                                                                                                     LENGTH:
                                                                                                                                                                                                                                                                                                                                                    TELEPHONE:
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                                                                                                   17 TTTGTCTAACCCTA 30
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                                                                                                                                                    Similarity
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                                                                                                                                      Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PatentIn Release #1.0, Version #1.30
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                                                                                                                                                                                                                                                                                                                                                      (415)
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                                                                                                                                                                                                                                                                                                                                                      576-0200
                                                                                                                                  46.7%; Score 14; DB 14; 100.0%; Pred. No. 2.3e+03; tive 0; Mismatches 0;
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                                                                                                                                                                  Length 20;
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Sequence 26. Application US/092: GENERAL INFORMATION: APPLICANT: Andrews, William H. APPLICANT: Avilion, Ariel A.

Application US/09259943

COMPUTER READABLE FORM: MEDIUM TYPE: Floppy

California

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CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UNMBER: US 08/330,123
PILING DATE: 27-OCT-1994
PRIOR APPLICATION UNMBER: US 08/272,102
PILING DATE: 07-OUL-1994
PRIOR APPLICATION UNMBER: US 08/272,102
PILING DATE: 07-OUL-1994
AFTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 15389-0008:
REFERENCE/DOCKET NUMBER: 15389-0008:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION FOR SEQ ID NO: 4:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 46.7%; Score 14; DB 8; Length 20; Best Local Similarity 100.0%; Pred. No. 2.3e+03; Matches 14; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: Andrews """
                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOSTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/520,550
FILLING DATE: 29-AUG-1995
CIASCIPTCATION.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                              APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA COMPONENT of Telomerase
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSES: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: RNA
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CITY: Lexington
TTE: MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Andrews, William H. APPLICANT: Avilion, Ariel A.
                                                                                                                                                                                                                                        COUNTRY: UZIP: 02173
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US/01
FILING DATE: 07-JUN-1995
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US-08-521-634-25/c
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INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base not
MEDIUM TYPE: Floppy diek

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/521,634

FILING DATE: 31-AUG-1995

CLASSIFICATION: 435

PRIOR APPLICATION NUMBER: US 08/482,115

PRIOR APPLICATION NUMBER: US 08/482,115

PRIOR APPLICATION NUMBER: US 08/472,802

PILING DATE: 7-JUN-1995

PRIOR APPLICATION NUMBER: US 08/472,802

PILING DATE: 7-JUN-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/330,123

PILING DATE: 27-OCT-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/272,102

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/272,102

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/272,102
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Best Local Similarity 100.0%; I
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                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Andrews, William
TITLE OF INVENTION: Mammalian Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Granahan, patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSI
TELECOMMUNICATION INFORMATION:
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB.195
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: Townsend and Townsend and Crew STREET: One Market Plaza, Steuart Tower, Suite 2000 CITY: San Francisco STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 20 base pairs TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20
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; Pred. No. 2.3e+03;
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STRANDEDNESS: TOPOLOGY: 111

linear

single

LENGTH:

20 base pairs

nucleic

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GENERAL INFORMATION:
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Best Local Similarity
                                                          Query Match
Best Local Similarity
                                               Matches
                                                                                                                                                                                                       INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                             TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                               PILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
                                                                                                                                                                                                                                                                                                                                                                                                                                   SOPTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/387,524
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
                                                                                                                                                                                                                                                                                                       FILING DATE: 07-JUL-1994 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: RNA Component of Telomerase NUMBER OF SEQUENCES: 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
                                                                                                                     MOLECULE TYPE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            PLEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Palan-
                                                                                                                                 TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: FILING DATE: 13-FEE CLASSIFICATION: 435
                                                                                                                                             STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY: U
ZIP: 02173
                                                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                      NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US 08/330,123 FILING DATE: 27-OCT-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET:
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  17 TTTGTCTAACCCTA 30
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                                                                                                                                                                                                                     617-861-9540
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Funk, Walter
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                                               Conservative
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                                                                                                                  RNA (genomic)
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100.0%; Pr
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                                            46.7%; Score 14; DB
100.0%; Pred. No. 2:
Live 0; Mismatches
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Pred. No. 2.3e+
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                                                           DB 7; Le 2.3e+03;
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                                                                                                                                                                        Sequence 4, Application US/08482115A GENERAL INFORMATION:
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Best Local (
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APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 15389-0008:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: Patentin Rela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: 1:
MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
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                                                   CORRESPONDENCE ADDRESS:
                                                                                     APPLICANT: ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
                                                                                                                                                       APPLICANT:
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                                                                        NUMBER OF SEQUENCES:
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FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
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                               ADDRESSEE:
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San Francisco
                E: Townsend and Townsend and Crew LLP Two Embarcadero Center, 8th Floor
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                                                                                                                    FENG, Junli
FUNK, Walter
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                                                                                                                                                         VILLEPONTEAU, Bryant
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INFORMATION:

Application US/09259943

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Sequence 3, Application PC/TUS9907533

GENERAL INFORMATION:
APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
TITLE OF INVENTION: TELOWERASE ASSOCIATED PROTEINS
FILE REFERENCE: 07265/157W01
CURRENT APPLICATION UNUMBER: PCT/US99/07533
CURRENT FILING DATE: 1999-04-06
FEARLIER APPLICATION NUMBER: 60/080,783
EARLIER FILING DATE: 1999-04-06
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FASESEQ for Windows Version 3.0
SEQ ID NO 3
LENGTH: 28
                                                     ; OTHER INFORMATION: primer PCT-US99-07533-3
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; OTHER INFORMATION: Synthetic oligonucleotides
US-09-259-943-46
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EARLIER FILING DATE: 1996-03-28
EARLIER APPLICATION NUMBER: 08/520,550
EARLIER PILING DATE: 1995-08-29
EARLIER FILING DATE: 1995-08-29
EARLIER FILING DATE: 1995-08-07
EARLIER APPLICATION NUMBER: 08/485,778
EARLIER APPLICATION NUMBER: 08/387,524
EARLIER FILING DATE: 1995-08-07
EARLIER FILING DATE: 1994-07-07
EARLIER FILING DATE: 1994-07-07
EARLIER FILING DATE: 1994-07-07
EARLIER FILING DATE: 1994-07-07
NUMBER: 0F SEQ ID NOS: 61
  Query Match
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CURRENT APPLICATION NUMBER: US/09/259,943
CURRENT FILING DATE: 1999-03-01
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APPLICANT: Avilion, Ariel A.
APPLICANT: Feng, Junii
APPLICANT: Fenk, Walter
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ORGANISM: Artificial Sequence
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TITLE OF INVENTION: RNA Component of Telomerase
                                                                                                        TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ch 66.7%; Score 20; DB 16; Length 27; I Similarity 100.0%; Pred. No. 1.3; Indels 20; Conservative 0; Mismatches 0; Indels
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66.7%; Score 20;
  DB 1;
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  Length 28;
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CURRENT APPLICATION NUMBER: 60/080,783
CURRENT FILING DATE: 1998-04-06
EARLIER APPLICATION NUMBER: 60/080,783
EARLIER FILING DATE: 1998-04-06
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSEQ for Windows Version 3.0
LENGTH: 28
TYPE: PART
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; OTHER INFORMATION: primer
PCT-US99-07533-3
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PCT-US99-07533-3
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GENERAL INFORMATION:
APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
TITLE OF INVENTION: TELOMERASE-ASSOCIATED PROTEINS
FILE REFERENCE: 07265/157W01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local
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BENERAL INFORMATION:

APPLICANT: VILLEPONTEAU

APPLICANT: FENG, Junli

APPLICANT: FUNK, Walter
                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION HOMBER: US/08/272,102
PILING DATE: 07-JUL-1994
CLASSIFICATION: 435
ATTYTONBURY JAFFERT TURONBURY JAFFERT TOPOLING JAFFERT TURONBURY JAFFERT JAFFERT TURONBURY JAFFERT JA
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ORGANISM: Artificial Sequence
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 15389-000800
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
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CORRESPONDENCE ADDRESS:
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Palo Alto
California
RY: US
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VENTION: HUMAN TELOMERASE
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ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: Patentin Release #1.0, Version #1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/387,524
FILING DATE: 13-FEB-1995
CLASSIFICATION: 435
                                                                              PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patticia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSHL94-05A:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: RNA Component of Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             E: Hamilton, Brook, Smith & Reynolds, P.C.
Two Militia Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      57 US-60-232-638-55299
57 US-60-233-620-68407
57 US-60-233-620-123435
59 US-60-233-987-788561
79 US-60-353-987-905467
10 US-09-353-987-8
10 US-09-817-387-8
10 US-09-717-8288-1
128 US-09-717-8288-1
128 US-09-717-8288-1
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US-09-657-4458-2

US-10-255-535-3

US-10-255-535-3

US-09-370-455-18

US-09-370-650-7501

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US-10-187-659A-61

US-10-187-659A-120
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Sequence 55299, A
Sequence 68407, A
Sequence 123435,
Sequence 788561,
Sequence 9,05467,
Sequence 8, Appli
Sequence 1, Appli
Sequence 13, Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 17, Appl
Sequence 21, Appl
Sequence 2, Appli
Sequence 3, Appli
Sequence 18, Appl
Sequence 7501, Ap
Sequence 7501, Ap
Sequence 7501, Ap
Sequence 7501, Ap
Sequence 7916, Ap
Sequence 61, Appl
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; TOPOLOGY: linear
; MOLECULE TYPE: DNA (ger
US-08-387-524-20
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US-08-520-550-20
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Best Local S
Matches 20
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Best Local S
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                                                                                                                                                                                                                                                                                                            FILING DATE: 29-AUG-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UNMBER: US 08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION NUMBER: US 08/330,123
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UUL-1994
ATTORNEY/ACENT INFORMATION:
NAME: Granahan, Patricia
                                                                                                                                                                                                TELEFAX: 617-861-9540 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Marhuenda, Maria A. B.
APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESS:
                                                                                                                                    SEQUENCE CHARACTERISTICS:
LENGTH: 27 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS .
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/520,550
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION: TELEPHONE: 617-861-6240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET: 1 LEXINGTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
                                                                                                                                                                                                TELEPHONE: 61/----
                                                                                                                                                                                                                                                                          NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,:
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 27 base pairs TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: U
ZIP: 02173
                                                                                                                    STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C. STREET: Two Militia Drive
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                          Similarity
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        Conservative
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Avilion, Ariel A.
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Funk, Walter
                                                                                                    linear
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                                                                                                                  single
66.7%; 5-
100.0%; Pr
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                                                                                                                                                                                                                                                                                      32,227
      Score 20; DB 9; pred. No. 1.3; 0; Mismatches
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                                        Length 27;
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        Gaps
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US-08-387-524-20

Sequence 20, Application:

Application US/08387524

APPLICANT:

APPLICANT:

Andrews, William H. Avilion, Ariel A.

APPLICANT:

Feng, Junli Funk, Walter Greider, Carol

APPLICANT: Greiger, APPLICANT: Marhuenda, Maria A. E APPLICANT: Villeponteau, Bryant PNA Compone

NUMBER OF SEQUENCES: 4: CORRESPONDENCE ADDRESS:

ADDRESSEE:

STREET: INC

₹

COUNTRY:

SD

TELEFAX: 617-861-9540 INFORMATION FOR SEQ ID NO:

0

SEQUENCE

TELECOMMUNICATION INFORMATION: TELEPHONE: 617-861-6240

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Title:
Perfect score:
Sequence:
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Maximum DB seq length: 50
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6: /cgn2_6/prodata/2/pna/yo

7: /cgn2_6/prodata/2/pna/yo
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1 GGGGTGGTGCCCCCC
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Gapop 60.0 , Gapext 60.0
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(without alignments)
581.357 Million cell updates/sec
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/_ggn2_6/ptodata/2/pna/US103_COMB.seq; *
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Copyright (c) 1993 - 2003 Compugen Ltd
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result | Score | Query Match Length | jth DB | | ID | Description |
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| ב | 20 | 66.7 | 27 | 7 | US-08-387-524-20 | Sequence |
| N | 20 | 66.7 | 27 | 9 | US-08-520-550-20 | Sequence |
| ω | 20 | 66.7 | 27 | 16 | US-09-259-943-46 | Sequence 46 |
| 4 | 20 | 66.7 | | | PCT-US99-07533-3 | Sequence |
| ъ | 20 | 66.7 | 28 | _ | PCT-US99-07533-3 | Sequence |
| ი ი | 14 | 46.7 | 20 | σ | US-08-272-102-7 | Sequence |
| c 7 | 14 | 46.7 | 20 . | 7 | US-08-387-524-6 | Sequence |
| с 8 | 14 | 46.7 | 20 | œ | US-08-472-802B-41 | Sequence |
| ი 9 | 14 | 46.7 | 20 | 80 | US-08-482-115A-4 | Sequence |
| c 10 | 14 | 46.7 | 20 | φ | US-08-520-550-6 | Sequence |
| c 11 | 14 | 46.7 | 20 | φ. | US-08-521-634-25 | Sequence |
| c 12 | 14 | 46.7 | 20 | 10 | US-08-660-678-4 | Seguence |
| c 13 | 14 | 46.7 | 20 | 14 | US-09-057-351-40 | Seguence |
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| 15 | 14 | 46.7 | 25 | 17 | US-09-370-455-26 | Sequence |
| 16 | 14 | 46.7 | 25 | 17 | US-09-370-455-36 | Sequence |
| 17 | 14 | 46.7 | 25 | 67 | US-60-232-638-46061 | Sequence |
| 18 | 14 | 46.7 | 25 | 79 | US-60-353-987-808955 | Sequence |
| 19 | 14 | 46.7 | 25 | 79 | US-60-353-987-865819 | Sequence 865819 |
| 20 | 14 | 46.7 | 27 | 9 | US-08-521-634-6 | Sequence 6, Appl |
| c 21 | 13 | 43.3 | 1 3 | _ | PCT-US02-09138A-3 | Sequence |

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; LENCTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
PCT-US02-33146-13

Query Match
Best Local Similarity 61.5%; Pred. No. 2.9e+03;
Matches 8; Conservative 5; Mismatches 0; Gaps 0;

Matches 8; Conservative 5; Mismatches 0; Indels 0; Gaps Db

1 TTGTCTAACCCTA 30
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Db 1 UUGUCUAACCCUA 13

Search completed: June 24, 2003, 20:14:43

Job time: 1667.12 secs
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RESULT 13
PCT-US02-17674-490/c
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; ORGANISM: Mus musculus
US-60-427-808-895384
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Kue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of
FILE REFERENCE: 3527
CURRENT APPLICATION NUMBER: US/60/427,836
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generat
SQ ID NO 475949
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Methods of Genetic Analysis of Mouse FILE REPERENCE: 3528
CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 895384
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 895384, Applicat
GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
                                                                                                                                                                              Sequence 490, Application PC/TUS0217674 GENERAL INFORMATION:
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Best Local Similarity
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APPLICANT: MCSWIGGEN, James
APPLICANT: MCSWIGGEN, James
APPLICANT: Stinchcomb, Dan
TITLE OF INVENTION: NUCLEIC ACID BASED MODULATION OF VASCULAR ENDOTHELIAL GROWTH
TITLE OF INVENTION: RECEPTOR FOR THE TREATMENT OF ANGIOGENESIS RELATED DISEASES
FILE REFERENCE: 400/047 (02-325)
CURRENT APPLICATION NUMBER: PCT/US02/17674
                                                                                                                            APPLICANT: Ribozyme Pharmaceuticals, Inc
APPLICANT: Pavco, Pamela
APPLICANT: Sandberg, Jennifer
                                                                                                                    APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA ORGANISM: Rattus norvegicus
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                                                                                                             Pavco, Pamela
Sandberg, Jennifer
Gordon, Gilad
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Pred. No.
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Pred. No.
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8.3e+02;
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PCT-US02-33146-13
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                                                Sequence 13, Application PC/TUS02331146
GENERAL INFORMATION:
APPLICANT: University of Rochester Medical Center
APPLICANT: Rowley, Peter
TITLE OF INVENTION: Telomerase Interference
FILE REFERENCE: FP-71506-2/RFT/SRM
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                     CURRENT APPLICATION NUMBER: PCT/US02/33146
CURRENT FILING DATE: 2002-12-05
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US-10-287-949A-7501/c ; Sequence 7501, Application US/10287949A ; GENERAL INFORMATION:
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                                                                                                                                                                                                               SEQ ID NO 7501
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LENGTH: 17
                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/10/287,949A
CURRENT FILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: PatentIn version 3.0
                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: Method and Reagent for the TreaTITLE OF INVENTION: Levels of Vascular Endothelial FILE REFERENCE: MBHB00-876-N (400/049)
                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Ribozyme Pharmaceuticals, Inc
APPLICANT: Pavco, Pam
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PRIOR APPLICATION NUMBER: US 10/138,674
PRIOR FILING DATE: 2002-05-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: US 09/870,161
PRIOR FILING DATE: 2001-05-29
PRIOR APPLICATION NUMBER: US 60/334,461
                                                                                                                                                                     LENGTH: 17
TYPE: RNA
                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT:
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PRIOR APPLICATION NUMBER: US 09/708,690
PRIOR FILING DATE: 2000-11-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: US 08/584,040 PRIOR FILING DATE: 1996-01-08
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PRIOR FILING DATE: 1995-10-26
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8 TGGCCATTTTTTG 20
                                                                        Similarity
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McSwiggen, Jim
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                                                     Conservative
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                                                                      43.3%;
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100.0%; Pred. No.
tive 0; Mismatc
                                                                        Score 13;
Pred. No.
                                                       Mismatches
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                                                                                           DB 10;
                                                                        2.9e+03;
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                                                     Indels
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; SEQUENCE DESCRIPTION: SEQ ID NO: 40:
US-10-359-935-40
                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 46061, Application US/09953570
GENERAL INFORMATION:
APPLICANT: Mitchann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Yeast
FILE REFERENCE: 3110.1
                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: 60/232,638
PRIOR FILING DATE: 2000-09-14
NUMBER OF SEQ ID NOS: 138410
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 46061
                                                                                    Query Match 46.7%; Score 14; DB 7; Best Local Similarity 100.0%; Pred. No. 8.3e+(Matches 14; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/09/953,570 CURRENT FILING DATE: 2001-09-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000821US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0300
TELEPHONE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
WEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPAtible
OPERATING SYSTEM: COMPAtible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATCHINE Release #1.0, Ver
CURRENT APPLICATION UNMBER: US/10/359, 935
FILING DATE: 07-Feb-2003
CLASSIFICATION DATA:
APPLICATION NUMBER: US/09/057, 351
FILING DATE: 08-APR-1994
APPLICATION NUMBER: US 08/272, 102
FILING DATE: 08-APR-1994
APPLICATION NUMBER: US 08/272, 102
FILING DATE: 07-UU-1994
APPLICATION NUMBER: US 08/330, 123
FILING DATE: 27-OCT-1994
APPLICATION NUMBER: US 08/472, 802
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: US 08/472, 802
FILING DATE: 07-JUN-1995
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12 GTGGCCATTTTTTG 25
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14; Conser
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STRANDEDNESS: single
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ilarity 100.0%; Pred. No. 8.3e+02;
Conservative 0; Mismatches 0;
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                                                                                 8.3e+02;
0;
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                                                                                      Indels
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RESULT 8
US-10-355-577-808955
; Sequence 808955, Application US/10355577
; GENERAL INFORMATION:
; APPLICANT: Mittmann, Michael
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-Ul33
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-Ul33
; TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-Ul33
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US-10-355-577-865819
; Sequence 865819, Appl
; GENERAL INFORMATION:
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                                                              ; TYPE: DNA
; ORGANISM: Mus musculus
US-60-427-808-4727
                                                                                                                                                                                                                                                                                                                                  RESULT 10
US-60-427-808-4727/c
; Sequence 4727, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; TYPE: DNA
; ORGANISM: Homo sapien
US-10-355-577-865819
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                                                                                                  CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listin
SEQ ID NO 4727
LENGTH: 25
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 808955
LENGTH: 25
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Best Local Similarity 100.0%;
Matches 14; Conservative
Query Match
Best Local Similarity
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TITIE OF INVENTION: methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528
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Local Similarity 100.0%;
les 14; Conservative
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46.7%;
100.0%;
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; Pred. No. 8.3e+(
0; Mismatches
Score 14;
Pred. No.
  DB 12;
. 8.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8.3e+02;
1es 0;
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                   Length
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TEGECEATTTTTTTTTTTAAC

26

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Sequence 9, Application PC/TUS0233146
GENERAL INFORMATION:
APPLICANT: University of Rochester Medical Center APPLICANT: Rowley, Peter
TITLE OF INVENTION: Telomerase Interference
FILE REFERENCE: FP-71506-2/RFT/SRN
CURRENT APPLICATION NUMBER: PCT/US02/33146
CURRENT FILING DATE: 2002-12-05
NUMBER OF SEQ ID NOS: 20
SOFTWARE: Patentin version 3.1
SEQ ID NO 9
LENGTH: 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 2
PCT-US03-04088-272/c
; Sequence 272, Application PC/TUS0304088
; GENERAL INFORMATION:
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: Pai
SEQ ID NO 272
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
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                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR APPLICATION NUMBER: US 60/386,782
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2002-07-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQ ID NOS: 626
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase GeneTITLE OF INVENTION: Expression Using Short Interfering RNA (sina)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Ribozyme Pharmaceuticals, Inc
                                                                                TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: Description of Artificial Sequence: sina antisense OTHER INFORMATION: region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local
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FILING DATE: 2003-01-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US 60/409,293 FILING DATE: 2002-09-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US 60/408,378 FILING DATE: 2002-09-05
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Beigelman, Leonid
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      53.3%;
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    Score 16; Pred. No.
      DB
69;
                         1;
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                         Length 22;
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US-60-427-808-749867
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                                                                                                                                                                              RESULT 6
US-10-359-935-40/c
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US-60-427-808-749867
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                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listi:
SEQ ID NO 749867
LENGTH: 25
TYPE: NAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 73
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 749867, Application US/60427808 GENERAL INFORMATION:
                                                                                                                                                Sequence 40, Application US/10359935 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                     Matches
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                                                                                                                                                                                                                                                                                                                                Query Match
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CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Methods of Genetic Analysis of Rat FILE REFERENCE: 3527
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: Methods of Genetic Analysis of Mouse FILE REFERENCE: 3528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Xue Mei Zhou
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Xue Mei Zhou
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
                                         CORRESPONDENCE ADDRESS
                                                          NUMBER OF SEQUENCES:
                                                                       Andrews, William H. TITLE OF INVENTION: Mammalian Telomerase
                                                                                                                                APPLICANT: Villeponteau, Bryant
                                                                                                                                                                                                                                                                                                     15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      16;
                                                                                                                                                                                                                                                                 15 TTTTTGTCTAACCCT 29
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           ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Application US/60427836
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                                                                                                Funk, Walter
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Result
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Perfect score:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pending_Patents_NA_New:*

1: /cgn2_6/ptodata/2/pna/PCT_NEW_COMB.seq:*

2: /cgn2_6/ptodata/2/pna/US06_NEW_COMB.seq:*

3: /cgn2_6/ptodata/2/pna/US07_NEW_COMB.seq:*

4: /cgn2_6/ptodata/2/pna/US09_NEW_COMB.seq:*

5: /cgn2_6/ptodata/2/pna/US09_NEW_COMB.seq:*

6: /cgn2_6/ptodata/2/pna/US09_NEW_COMB.seq:*

7: /cgn2_6/ptodata/2/pna/US09_NEW_COMB.seq:*

8: /cgn2_6/ptodata/2/pna/US01_NEW_COMB.seq:*

9: /cgn2_6/ptodata/2/pna/US10_NEW_COMB.seq2:*

10: /cgn2_6/ptodata/2/pna/US10_NEW_COMB.seq3:*

11: /cgn2_6/ptodata/2/pna/US10_NEW_COMB.seq3:*

12: /cgn2_6/ptodata/2/pna/US10_NEW_COMB.seq3:*

13: /cgn2_6/ptodata/2/pna/US10_NEW_COMB.seq3:*

13: /cgn2_6/ptodata/2/pna/US10_NEW_COMB.seq3:*
                                                                                                                                                                                                                                                                                                                                                        Query
Match
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125.426 Million cell updates/sec
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Gapop 60.0 , Gapext 60.0
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30
1 GGGGTGGTGGCCATTTTTTGTCTAACCCTA 30
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       GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen
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US-60-427-808-47594
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PCT-US02-3146-13
US-10-310-188-45971
US-10-310-188-72791
PCT-US02-33146-13
US-10-310-188-72791
US-09-953-570-55299
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Sequence 8, Appli
Sequence 272, App
Sequence 9, Appli
Sequence 73, Appl
Sequence 40, Appl
Sequence 40, Appl
Sequence 40661, A
Sequence 808955,
Sequence 808955,
Sequence 865819,
Sequence 8727, Ap
Sequence 4727, Ap
Sequence 490, Appl
Sequence 7501, Appl
Sequence 45971, A
Sequence 45971, A
Sequence 72791, A
Sequence 52399, Sequence 52399, Sequence 52991, Appli
Sequence 52391, Appli
Sequence 52391, Appli
Sequence 52391, Appli
Sequence 52391, Appli
Sequence 55291, Appli
                                                                                                                                                                                                                                                                                                                                                        Description
                                                                                         GENERAL INFORMATION:

APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid

TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2003-04-19
PRIOR APPLICATION NUMBER: US 60/398,580
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR APPLICATION NUMBER: US 60/363,782
PRIOR FILING DATE: 2002-03-10
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
SEQ ID NO
OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sil
OTHER INFORMATION: region
PCT-US03-04088-8
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PCT-US03-04088-8
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                     Query Match
Best Local Similarity 52.6%;
Matches 10; Conservative
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US-10-355-577-98851
US-10-355-577-905467
US-60-427-808-32370
US-60-427-808-37581
US-60-427-808-37581
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US-10-3310-188-54892
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                     Score 19; DB 1;
Pred. No. 1.6;
9; Mismatches
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                     0,
                                              Length 19;
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Sequence 905467,
Sequence 905467,
Sequence 3047, A
Sequence 31286, A
Sequence 122370,
Sequence 376581,
Sequence 430998,
Sequence 440998,
Sequence 440998,
Sequence 549613,
Sequence 17667, A
Sequence 1767, A
Sequence 1767, A
Sequence 1, Appli
Sequence 1, Appli
Sequence 1, Appli
Sequence 19188, A
Sequence 19188, A
Sequence 491, App
Sequence 495, Ap
Sequence 495, Ap
Sequence 7502, Ap
Sequence 74892, A
Sequence 74892, A
Sequence 74802, Ap
Sequence 74892, A
Sequence 74892, A
Sequence 544, Appl
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                     Gaps
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|||||||||| 29 TTTTGTCTAAC 19

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Search completed: June 24, 2003, 16:52:45 Job time: 789.207 secs.

FEATURES

Trace considered overall poor quality Insert Length: 1314 Std Error: 0.00 Seq primer: -40UP from Gibco

rt Length: 1314 Std Erro primer: -40UP from Gibco quality sequence stop: 1. Location/Qualifiers

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REFERENCE
AUTHORS
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VERSION
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AZ404140
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ORGANISM
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DEFINITION
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Best Local Similarity
Matches 11; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE
                                                                                                                                                                                                            Email: ddunn@genetics.utah.edu
Insert Length: 1000 Std Error: 0.
Plate: 0172 row: J column: 15
Seq primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
High quality sequence stop: 46.
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                          Contact: Robert B. Weiss
University of Utah
University of Utah
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalla; Eutheria; Rodentia; Sciurognathi; Muridae; Musinae; Mus.
1 (bases 1 to 46)
Dunn,D., Aoyagi.A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D., Weiss,R.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mouse whole genome plasmid inserts Unpublished (2000)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AZ404140
AZ404140.1 GI:10528153
                                                                                                                                                                                                                                                                                                                                                                        Tel: 801 585 5606
Fax: 801 585 7177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               house mouse.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             whole genome scaffolding with paired end reads from 10kb
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note="Organ: uterus; Vector: pCMV-SPORT6; Site_1: Sall; Site_2: NotI; Cloned unidirectionally. Primer: Oligo dT. Average insert size 1.45 kb. Life Technologies catalog #: 11541-018"
12 c 18 g 2 t
                                                                 /db_xref="taxon:10090"
/clone="UUGC1M0172J15"
/clone lib="Mouse 10kb plasmid UUGC1M library"
/sex="Male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /clone="IMAGE:2264524"
(clone_11b="NCI CGAP_Ut3"
/t1ssue_type="poorly-differentiated endometrial
adenocarcinoma, 2 pooled tumors"
/lab_host="DH108"
                                                                                                                                                    /organism="Mus musculus"
/strain="C57BL/6J"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  organism="Homo sapiens"
db_xref="taxon:9606"
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sculus genomic
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REFERENCE
AUTHORS
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VERSION
KEYWORDS
SOURCE
ORGANISM
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AU105989/c
LOCUS
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ORIGIN
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Query Match
Query Match
Best Local Similarity 100.0%; Pred. No. 1.6e+0
Matches 11; Conservative 0; Mismatches
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MEDLINE
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Best Local Similarity
Matches 11; Conserv
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                                                                                                                                                                                                                                                                                                          Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano,S. Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
Location/Qualifiers
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24 GGGGTGGTGGC 34
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (Dases 1 to 50)
Suzuki, Y., Taira, H., Tsunoda, T., Mizushima-Sugano, J., Sese, J., Hat, Ota, T., Isogai, T., Tanaka, T., Morishita, S., Okubo, K., Sakaki, Y., Nakamura, Y., Suyama, A. and Sugano, S.
Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
21270072
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EST.
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AU105989 Sugano Homo sapiens
HSI01865, mRNA sequence.
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                                                                                                                  /organism="Homo sapiens"
/db_xref="taxon:9606"
/db_ore="Statol1865"
/clone=Hib="Sugano Homo sapiens cDNA library"
/note="Differential display comparison of untreated dimethylfumarate treated U937 cells"
a 14 c 8 g 13 t
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Pred. No. 1.6e+05;
0; Mismatches 0;
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1.6e+05;
les 0;
                                              Length 50;
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APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528
CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 952738
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      93.3%; Score 14; DB 12; I 100.0%; Pred. No. 4.4e+02;
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                              FILE REFERENCE: 47487
CURRENT APPLICATION NUMBER: US/10/310,188
CURRENT FILING DATE: 2002-12-19
NUMBER OF SEQ ID NOS: 86841
SOFTWARE: Patentin version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-60-427-808-952738
; Sequence 952738, Application US/60427808
; GENERAL INFORMATION:
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Job time : 359.634 secs
                                                                                                                                                                                                                                                                                                                                                                                        Query Match 93.3%;
Best Local Similarity 100.0%;
Matches 14; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 GCTCTAGAATGAAC 14
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Best Local Similarity 100.
Matches 14; Conservative
                                                                                                                                                                                                                                                             TYPE: DNA
CORGANISM: Homo sapiens
US-10-310-188-36216
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; ORGANISM: Mus musculus
US-60-427-808-952738
          TITLE OF INVENTION:
                                                                                                                                                                                              SEQ ID NO 36216
LENGTH: 23
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APPLICANT: Genor Corporation
APPLICANT: Genor Corporation
APPLICANT: Atkinson III, Edward
APPLICANT: Atkinson III, Edward
APPLICANT: Atkinson III, Edward
APPLICANT: Atkinson III, Edward
APPLICANT: Alain
APPLICANT: Privant, Ronald
TITLE OF INVENTION: Using Purified Telomerase to Identify Telomerase Activators and
TITLE OF INVENTION: Unbiblious
FILE REPREBNCE: 011/006C
CURRENT APPLICATION NUMBER: 08/510,736
FRIOR RILING DATE: 1997-04-04
PRIOR FILING DATE: 1997-04-04
SPRIOR FILING DATE: 1997-04-04
PRIOR FILING DATE: 1997-04-04
SPRIOR PRIOR PRI
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US-10-310-188-36216/c
US-10-310-188-36216, Application US/10310188
; GENERAL INFORMATION:
; APPLICANT: ROSETTAGEMONICS
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENE
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Pred. No. 1.1e+02;
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Pred. No. 1.1e+02;
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CURRENT APPLICATION NUMBER: US/10/330,872 CURRENT FILING DATE: 2002-12-24
                          CURRENT FILING DATE: 2002-12-24
FRIOR PEDILOGUICAN NUMBER: 08/510,736
FRIOR PILING DATE: 1995-08-04
FRIOR FILING DATE: 1995-08-04
FRIOR FILING DATE: 1997-04-04
FRIOR APPLICATION NUMBER: 09/420,056
FRIOR PELING DATE: 1999-10-18
FRIOR PELING DATE: 1999-10-18
FRIOR FILING DATE: 2000-11-20
NUMBER OF SEQ ID NOS: 11
SEQ ID NO 5
LENGTH: 30
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Best Local Similarity 100.0%;
Matches 15; Conservative 0
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Best Local Similarity 100.
Matches 15, Conservative
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; ORGANISM: Homo sapiens
US-10-330-872-5
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June 24, 2003, 22:19:40; Search time 1272.79 Seconds (without alignments) 296.308 Million cell updates/sec
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(cgn12 6/ptodata/2/pna/USOG COMB.seq: *

2: /cgn2 6/ptodata/2/pna/USOG COMB.seq: *

3: /cgn2 6/ptodata/2/pna/USOB COMB.seq: *

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6: /cgn2 6/ptodata/2/pna/USOB 2 COMB.seq: *

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12: /cgn2 6/ptodata/2/pna/USOB 5 COMB.seq: *

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14: /cgn2 6/ptodata/2/pna/USOB 5 COMB.seq: *

15: /cgn2 6/ptodata/2/pna/USOB 5 COMB.seq: *

16: /cgn2 6/ptodata/2/pna/USOB 5 COMB.seq: *

17: /cgn2 6/ptodata/2/pna/USOB 5 COMB.seq: *

18: /cgn2 6/ptodata/2/pna/USOB COMB.seq: *

19: /cgn2 6/ptodata/2/pna/USOB COMB.seq: *

10: /cgn2 6/ptodata/2/
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ptodata/2/pna/US100B_COMB.seq:
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    24791104 seqs, 12571243825 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                       nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                    IDENTITY NUC
Gapop 10.0 , Gapext 1.0
                                                                                                                                                                                                                                                                                                                          1 GCTCTAGAATGAACG 15
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15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB seq length: 0
DB seq length: 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                    Scoring table:
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                                                                                                         OM nucleic
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| cgn2_6/ptodata/2/pna/US6001_COMB.Beq:
| cgn2_6/ptodata/2/pna/US6003_COMB.Beq:
| cgn2_6/ptodata/2/pna/US6003_COMB.Beq:
| cgn2_6/ptodata/2/pna/US6006_COMB.Beq:
| cgn2_6/ptodata/2/pna/US6006_COMB.Beq:
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| cgn2_6/ptodata/2/pna/US6023_COMB.Beq:
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| cgn2_6/ptodata/2/pna/US6023_COMB.Beq:
| cgn2_6/ptodata/2/pna/US6023_COMB.Beq:
| cgn2_6/ptodata/2/pna/US6033_COMB.Beq:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6/ptodata/2/pna/US6041
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Pred: No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

| | | æ | | | SOMETHINES | |
|---------------|---------------|----------------|--------------------------|----|--------------------|-------------------|
| Result No. | Score | Query Match | Query Match Length DB | DB | ΩI | Description |
| 1 1 1 1 1 | 1 1 1 1 1 1 1 | | | : | | |
| 1 | 15 | 100.0 | 15 | Н | PCT-US97-23619-10 | Sequence 10, Appl |
| 7 | 15 | 100.0 | 15 | 11 | US-08-770-564A-10 | Sequence 10, Appl |
| m | 15 | 100.0 | 19 | M | PCT-US97-23619-9 | Sequence 9, Appli |
| 4 | 15 | 100.0 | 19 | 11 | US-08-770-564A-9 | Sequence 9, Appli |
| S | 15 | 100.0 | 25 | 16 | US-09-250-336A-4 | 4 |
| 9 | 15 | 100.0 | 25 | 25 | US-09-642-177-4 | Sequence 4, Appli |
| 7 | 15 | 100.0 | 26 | н | PCT-US96-14679-27 | Sequence 27, Appl |
| 60 | 15 | 100.0 | 26 | н | PCT-US96-14679A-27 | Sequence 27, Appl |
| Q | 15 | 100.0 | 26 | - | PCT-US99-03302-4 | Sequence 4, Appli |
| 10 | 15 | 100.0 | 56 | - | PCT-US99-07533-4 | Sequence 4, Appli |
| 11 | 15 | 100.0 | 26 | г | PCT-US99-07533-4 | Sequence 4, Appli |
| 12 | 15 | 100.0 | 26 | 9 | US-08-272-102-23 | Sequence 23, Appl |
| 13 | 15 | 100.0 | 26 | 7 | US-08-387-524-19 | Sequence 19, Appl |
| 14 | 15 | 100.0 | 26 | œ | US-08-472-802A-24 | Sequence 24, Appl |
| 15 | 15 | 100.0 | 26 | æ | US-08-472-802B-24 | Sequence 24, Appl |
| 16 | 15 | 100.0 | 26 | œ | US-08-482-115A-23 | Sequence 23, Appl |
| 17 | 15 | 100.0 | 26 | σ | US-08-520-550-19 | Sequence 19, Appl |
| 18 | 15 | 100.0 | 26 | σ | US-08-521-634-41 | Sequence 41, Appl |
| 19 . | 15 | 100.0 | 26 | 10 | US-08-660-678-23 | Sequence 23, Appl |
| 20 | 15 | 100.0 | 26 | 13 | US-08-911-312-23 | Sequence 23, Appl |
| 21 | 15 | 100.0 | 26 | 13 | US-08-911-312A-23 | Sequence 23, Appl |
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Length 15; 0; Indels

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Query Match
100.0%; Score 15; DB 1; 1
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 15; Conservative 0; Mismatches 0;
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
FATURE:
NAME/KEY: -
LOCATION: 1..15
COTHER INFORMATION: /note= "oligo 2lab3"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 GCTCTAGAATGAACG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 GCTCTAGAATGAACG 15
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TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-770-564A-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 3
PCT-US97-23619-9
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                                                                       Sequence 598, Appl
Sequence 2, Appli
Sequence 4, Appli
Sequence 45, Appli
Sequence 598, App
Sequence 598, App
Sequence 598, App
Sequence 598, Appl
Sequence 59, Appli
Sequence 26, Appli
Sequence 26, Appli
Sequence 312, Appli
Sequence 26, Appli
Sequence 26, Appli
Sequence 26, Appli
Sequence 5, Appli
Sequence 5, Appli
Sequence 6, Appli
Sequence 10, Appli
Sequence 10, Appli
Sequence 10, Appli
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APPLICANTON:
APPLICANTON:
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APP
US-08-912-951-312
US-08-973-589-17
US-08-973-589-17
US-09-259-14-2
US-09-259-943-45
US-09-425-181A-598
US-09-425-181A-598
US-09-425-181B-598
US-09-425-503-598
US-09-721-477-598
US-09-721-477-598
US-09-721-477-598
US-09-721-656-598
US-09-895-606-26
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3 US-10-044-682-312
PCT-US97-23619-26
PCT-US97-23619-8
US-08-510-736-5
US-08-521-634-10
US-08-770-544A-8
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US-09-717-828A-5
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PRIOR APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
FILING DATE: 20-DEC-1996
APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REGISTRATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 10, Application PC/TUS9723619
GENERAL INFORMATION:
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FORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
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PCT-US97-23619-10
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RESULT 2

US-08-770-564A-10

US-08-770-564A-10

Sequence 10, Application US/08770564A

GENERAL INFORMATION:
APPLICANT: Realey, James T.
APPLICANT: Weintich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: IS
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNEND and TOWNSEND and CREW LLP
STREET: Ano Embarcadero Center, 8th Floor
CITY: San Francisco
CONTYX: USA
ZIP: 94111 EM PC compatible
COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER PATORNES: PATENTION DATA: 20-DCS
SOFTWARE: PATENTION DATA: 20-DCS
SOFTWARE: 20-DCS 1996
CLASSIFICATION NUMBER: US/08/770,564A

REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
RETERENCE/DOCKET NUMBER: 
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._action US/09250336A
._action US/09250336A
._action STROVEL, Jeffrey W.
. APPLICANT: STROVEL, Joith
. APPLICANT: STRABERG, Judith
. APPLICANT: HIGHSMITH, Edward
. TITLE OF INVENTION: TELOMEMER ASSAY OF BODY FLUIDS FOR CANCER SCREENING
. TITLE OF INVENTION: TELOMEMER ASSAY OF BODY FLUIDS FOR CANCER SCREENING
. TITLE OF INVENTION: TELOMEMER SASAY OF BODY FLUIDS FOR CANCER SCREENING
. TITLE OF INVENTION: TELOMEMER SASAY OF BODY FLUIDS FOR CANCER SCREENING
. TITLE OF INVENTION: TELOMEMER STAGE AND PROGNOSIS
. CURRENT APPLICATION NUMBER: US 60/074,793
. PRIOR FILING DATE: 1999-02-16
. SOFTWARE:
. SOFTWARE:
. TYPE: N.
. TYPE: N.
. TYPE: N.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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; OTHER INFORMATION: Description of Artificial Sequence:R3c, Primer
US-09-250-336A-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 25;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                    SOFTWARE PATENTIN Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A FILING DATE: US/08/770,564A ATONEXYAGENT INFORMATION: 514 ATONEXYAGENT INFORMATION:
NAME: Storella, John 32,944 REFERENCE/DOCKET NUMBER: 015389-002200US TELEFRANION: 415-576-0300 TELEFRAX: 415-576-0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 100.0%; Score 15; DB 16; Best Local Similarity 100.0%; Pred. No. 2.9e+02; Matches 15; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 15; DB 11;
Pred. No. 2.9e+02;
      TOWNSEND and TOWNSEND and CREW LLP
                              Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC_DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 GCTCTAGAATGAACG 15
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Best Local Similarity 100.0
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: single
                           STREET: Two Emmarca
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: DNA
                                                                                          USA
      ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-770-564A-9
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                                                                                                                                                                             Methods for Detecting and Inhibiting the RNA Component of Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ron
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 100.0%; Score 15; DB 1; Length 19; Best Local Similarity 100.0%; Pred. No. 2.9e+02; Matches 15; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                 COMPUTE: 0.05.

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: Patentin PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/23619
FILING DATE: Not yet assigned
                                                                                                                                                                                                               NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; NAME/KEY: -
; LOCATION: 1..19
; OTHER INFORMATION: /note= "oligo 21ab"
PCT-US97-23619-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION UNDER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
Sequence 9, Application PC/TUS9723619 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 9, Application US/08770564A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: SCOTELLA, JOHN R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 1538:
TELECOMMUNICATION INFORMATION:
TELEPAX: (415) 576-0200
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 GCTCTAGAATGAACG 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                       STREET: Two Embarcad
CITY: San Francisco
STATE: California
                                                                                                                                 APPLICANT:
APPLICANT:
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                            USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
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4 GCTCTAGAATGAACG 18

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RESULT.

Sequence 4, Application US/09642177

Sequence 6, Application US/09642177

Sequence 6, Application US/09642177

APPLICANT: STRONGE. Jeffery W.
APPLICANT: STRONGE.

APPLICANT: STRONGE.

APPLICANT: STRONGE.

APPLICANT: ABRUSTON, LOAGE.

PRIOR APPLICATION NUMBER: US/09/642.177

CURRENT FILING DATE: 1998-02-16/10190

PRIOR APPLICATION NUMBER: US/09/642.177

CURRENT APPLICATION NUMBER: US/09/642.177

PRIOR APPLICATION NUMBER: US/09/642.177

PRIOR PRIOR OATE: 1998-02-16/10190

PRIOR APPLICATION NUMBER: US/09/642.177

PRIOR PRIOR PRIOR DATE: 1998-02-16/10190

PRIOR APPLICATION NUMBER: US/09/642.177

CURRENT APPLICATION NUMBER: US/09/642.177

PRIOR PRIOR PRIOR DATE: 1998-02-16/10190

PRIOR PRIOR PRIOR DATE: 1998-02-16/10190

PRIOR PRIOR PRIOR DATE: 1998-02-16/10190

PRESULT: APPLICANT: AURIENCE OF PRIOR PRESULATING

TITLE OF INVENTION: PELLONGE AND REAGENTS FOR REGULATING

TITLE OF INVENTION: PELLONGE AND REAGENTS FOR REGULATION APPLICANT APP
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| INFORMATION FOR SEQ 1D NO. 27; SEQUENCE CHARACTERISTICS: 1
| SEQUENCE CHARACTERISTICS: 1
| SEQUENCE CHARACTERISTICS: 1
| SEQUENCE CHARACTERISTICS: 1
| TOROLOGY: 20 and 20 and
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RESULT 9 PCT-US99-03302-4 ö

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Gaps
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                                                                                                                                                                                                                                                Length 26
                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION UNBER: US/08/272,102
PILING DATE: 07-JUL-1994
CLASSIFICATION: 435
ATTORNEY/AGRAM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 23, Application US/08272102
GENERAL INFORMATION:
APPLICANT: VILLEPONTEAU, Bryant
APPLICANT: FENG, Junial
APPLICANT: FENG, Juniam H.
TITLE OF INVENTION: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Khourie and Crew
                                                                                                                                                                                                                                              100.0%; Score 15; DB 1;
100.0%; Pred. No. 3e+02;
tive 0; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
NAME: SAILT, William M
REGISTRATION NUMBER: 30,23
REFERENCE/DOCKET NUMBER: 15389-000800
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION:
TELEPHONE: (415) 326-2400
TELEFRAX: (415) 326-2422
                    NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 4
LENGTH: 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
    EARLIER FILING DATE: 1998-04-06
                                                                                                               TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      379 Lytton Avenue
                                                                                                                                                                                                                                                                                                                                        1 GCTCTAGAATGAACG 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.0
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 100.
Best Local Similarity 100.
Matches 15; Conservative
                                                                                                                                                                             ; OTHER INFORMATION: primer PCT-US99-07533-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: Palo Alto
STATE: California
COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-272-102-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 13
US-08-387-524-19
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                                                                                                                                                           FEATURE:
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                                     APPLICANT: Strovel, Jeffrey W
APPLICANT: Strovel, Judith
APPLICANT: Stamberg, Judith
APPLICANT: Stamberg, Judith
APPLICANT: Highsmith, Edward
APPLICANT: Highsmith, Edward
TITLE OF INVENTION: Telomerase Assay of Body Fluids for Cancer Screening
TITLE OF INVENTION: and Assessment of Disease Stage and Prognosis
FILE REPERENCE: 148915 60/074,793
CURRENT APPLICATION NUMBER: PCT/US99/03302
CURRENT PILING DATE: 1999-02-16
EARLIER APPLICATION NUMBER: 60/074,793
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                          ) OTHER INFORMATION: Description of Artificial Sequence: R3c, OTHER INFORMATION: synthesized, Glbco-BRL PCT-US99-03302-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; Score 15; DB 1; Length 26;
; Pred. No. 3e+02;
0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 15; DB 1; Length 26;
Pred. No. 3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 4, Application PC/TUS9907533
GENERAL INFORMATION:
APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
TITLE OF INVERTION: TELOMERASE-ASSOCIATED PROTEINS
FILE REFERENCE: 07265/157W01
CURRENT APPLICATION NUMBER: PCT/US99/07533
CURRENT APPLICATION NUMBER: 60/080,783
EARLIER APPLICATION NUMBER: 60/080,783
EARLIER APPLICATION NUMBER: 60/080,783
EARLIER PILING DATE: 1999-04-06
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                JARBARAL INFORMATIONS HOPKING UNIVERSITY SCHOOL OF MEDICINE TITLE OF INVENTION: TELOMERASE-ASSOCIATED PROTEINS FILE REFERENCE: 07265/157W01
CURRENT APPLICATION NUMBER: PCT/US99/07533A
CURRENT FILING DATE: 1999-04-06
BARLIER APPLICATION NUMBER: 60/080,783
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
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Application PC/TUS9903302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.0%;
Matches 15; Conservative 0
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Best Local Similarity 100.0%;

Matches 15; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 GCTCTAGAATGAACG 15
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                                                                                                                                                                                                                                                                                                          SOFTWARE: Patentin.Ver. 2.0
SEQ ID NO 4
LENGTH: 26
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CTHER INFORMATION: primer
PCT-US99-07533-4
                                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS:
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LENGTH: 26
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1 GCTCTAGAATGAACG 15
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Best Local Similarity 100.
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-472-802A-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  q
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                                               APPLICANT: Avilion, Ariel A.
APPLICANT: Avilion, Ariel A.
APPLICANT: Peng, Junia
APPLICANT: Punk, Walter
APPLICANT: Marthenda, Maria A. B.
APPLICANT: Marthenda, Bryant
APPLICANT: TYPE Hamilton, Brook, Smith & Reynolds, P.C.
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STREE: MA
COUNTRY: US
COUNTRY: STATE: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION DATA:

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/387,524
FILING DATE: 13-FEB-1995
CLASSIFICATION: 435
PRIOR APPLICATION: 435
PRIOR APPLICATION: 435
PRIOR APPLICATION: 435
PRIOR APPLICATION: 435
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-0CT-1994
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-0UL-1994
ATTORNEY AGENT INFORMATION:
NAME: Granhan, Patricia
REGITARION NUMBER: 32,227
FILECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAX: 617-661-6340
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 Dase pairs
TYPE: nucleic acid
STRANDENNESS: saingle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEE: Townsend and Townsend and Crew LLP: Two Embarcadero Center, Eighth Floor California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Juni,
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 24, Application US/08472802A GENERAL INFORMATION:
Sequence 19, Application US/08387524
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: DNA (genomic) US-08-387-524-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5 GCTCTAGAATGAACG 19
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Best Local Similarity 100.
Matches 15; Conservative
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100.0%; Score 15; DB 8; Length 26; 100.0%; Pred. No. 3e+02;
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US-08-17-8

UNUMBER OF SEQUENCES:

US-08-18-8

US-18-8

US-08-18-8

US-18-8

US-18-8
COMPUTER READABLE FORM:

MEDIUM TYPE: RIAPPAGE
COMPUTER READABLE FORM:

MEDIUM TYPE: IADAPAGE
COMPUTER: IBM PC compatible
APPLICATION NUMBER: US/08/472,802A
FILING DATE: 07-JUN-1994
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
APPLICATION NUMBER: US 08/330,123
FILING DATE: 17-OCT-1994
APPLICATION NUMBER: 15.349
FILING DATE: 17-OCT-1994
APPLICATION NUMBER: 15.349
CTELEPHONE: (415) 576-020
INFORMATION FOR EQUID NO: 24:
SEQUENCE CHRAACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDBUESS: single
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HATORNEY/AGENT INPORMATION:

NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 15389-000820
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEPHONE: (415) 576-0300
TELEPAX: (415) 576-0
```

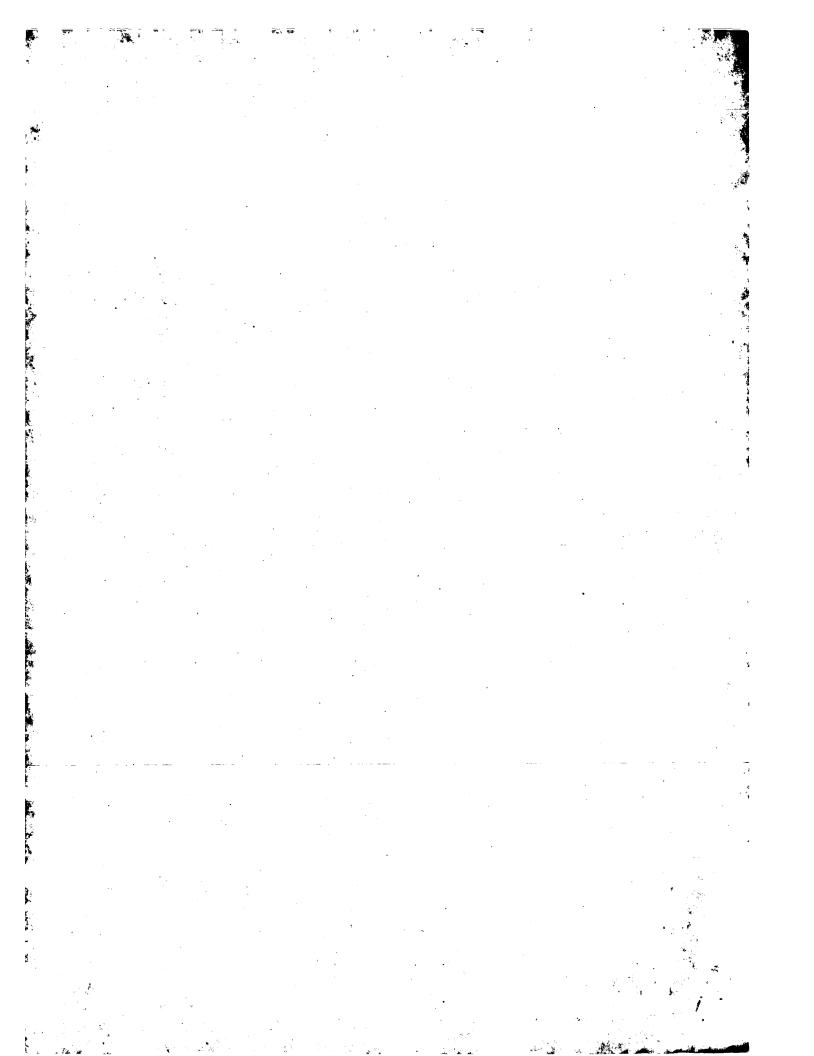
Search completed: June 25, 2003, 06:20:26 Job time: 1273.4 secs

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Query Match 100.0%; Score 15; DB 8; Length 26; Best Local Similarity 100.0%; Pred. No. 3e+02; Matches 15; Conservative 0; Mismatches 0; Indels

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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/044,692
FILING DATE: 11-Jan-2002
CLASSIFICATION: <UNKNOWN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STRET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: «Unknown»
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US 08/846,017
FLING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY: United States of America ZIP: 94111
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US 08/851,843
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/912,951
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 06-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES: 335
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STATE: California
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Sequence 118949,
Sequence 19, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 312, App
Sequence 312, App
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                                                                                                                                 June 25, 2003, 13:28:54 ; Search time 45.5976 Seconds (without alignments) 482.732 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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Sequence
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/ cgn2 6/ptodata/1/pubpna/PCTUS PUBCOMB.seq:*
/ cgn2 6/ptodata/1/pubpna/USOB PUBCOMB.seq:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /cgn2_6/ptodata/1/pubpna/USO7_PUBCOMB.seq:
/cgn2_6/ptodata/1/pubpna/PCT_NEW PUB.seq:*
cgn2_6/ptodata/1/pubpna/USO6_NEW PUB.seq:*
/cgn2_6/ptodata/1/pubpna/USO6_PUBCOMB.seq:
                                                                                                                                                                                                                                                                                                                                                                                                                                          832576
GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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US-09-952-522B-19
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US-10-215-112-6862
US-10-098-263B-64498
US-10-215-112-12114
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US-10-090-182A-409
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US-09-952-522B-31
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Maximum Match 1008'
Listing first 45 summaries
                                                                                      OM nucleic - nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                       IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
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15
1 GCTCTAGAATGAACG 15
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Match Length DB
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Minimum DB seq length: 0 Maximum DB seq length: 50
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Perfect score:
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12.4
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                                                                                                                                      Run on:
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THERAPEUTIC METHODS

| Sequence 51, Appli Sequence 2, Appli Sequence 4340, Ap Sequence 30035, A Sequence 33532, A Sequence 34691, A Sequence 14950, | 410001 41 41 1 | SUBUNIT: DIAGNOSTIC AND |
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| | US-10-127-28.5-3 US-10-127-28.5-3 US-09-975-68-13 US-09-95-252-28-9 US-09-95-252-28-9 US-10-098-263B-44594 US-10-098-263B-44594 US-10-098-263B-44594 US-10-098-263B-44594 US-10-118-495-11 US-10-118-495-11 US-10-162-23-2 US-10-162-23-2 US-09-905-983-40 US-09-905-983-40 US-09-905-983-40 US-09-905-983-40 US-09-905-983-40 US-09-905-983-40 | ALIGNMENTS 18/10044692 44a1 Toru Toru Toru egg B. alvin HUMAN TELOMERASE CATALYTIC SUBUNIT: |
| | 3 3 3 3 3 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 | tion U 300963 h, Tho Jmer, Jman, Oman, Tley, Cr |
| 76.0 76.0 76.0 76.0 | | 112 Applic To US20 TORNATIO TO US20 TO |
| 44444444 | . 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. | RESULT 1 US-10-044-692-312 US-10-044-692-312 Publication No US200 GENERAL INFORMATION APPLICANT: Cecl APPLICANT: Cecl MOK. HAT. HAT. And And TITLE OF INVENT |
| | | RESULT US-10-0 ; Seque ; Publi; ; GEN |

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TOPOLOGY: linear MOLECILE TYPE: DNA SEQUENCE DESCRIPTION: SEQ ID NO: 312: US-10-044-539-312
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Best Local Similarity 100.0%; Pred. No. 3
Matches 15; Conservative 0; Mismatch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; Sequence 23, Application US/09057351; Parent No. US20010034439A1; GENERAL INFORMATION:
                                                REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
                                                                                                              INFORMATION FOR SEQ ID NO: 312:
SEQUENCE CHARACTERESTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDENNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                 TELEPHONE:
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Lingner, Joachim
Lingner, Joachim
Lingner, Joachim
Nakamira, Toru
Chapman, Karen B.
Morlin, Gregg B.
Harley, Calvin
Andrews, William H.
TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT: DIAGNOSTIC AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 335
CORRESPONDENCE ADDRESS:
ADDRESSEE: Two Fundamend and Townsend and Crew LLP STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco Center, 8th Floor STATE: California COUNTRY: United States of America LP: 94111
COMPUTER READABLE
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATCHIN Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.0%; Pred. No. 28;
Matches 15; Conservative 0; Mismatches 0; Indels
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-0CT-1996
ATTORNET/AGENT INFORMATION:
NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36 429
REFERENCE/DOCKET NUMBER: 015389-002600US
TELEPHONE: (155) 576-0200
TELEPHONE: (415) 576-0200
INFORMATION FOR SEQ ID NO: 312:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION DATA:

CURRENT APPLICATION DATA:

PILING DATE: 11-Jan-2002

CLASSIFICATION WHERE: US/10/044,539

FILING DATE: 11-Jan-2002

PLING DATE: 10-Jan-2002

PLING DATE: 08/912,951

PILING DATE: 08/912,951

PILING DATE: 08/94-1997

APPLICATION NUMBER: US 08/851,843

FILING DATE: 06-MAY-1997

APPLICATION NUMBER: US 08/46,017

PILING DATE: 18-APR-1997

APPLICATION NUMBER: US 08/44,419

FILING DATE: 18-APR-1997

APPLICATION NUMBER: US 08/84,419

FILING DATE: 18-APR-1997

APPLICATION NUMBER: US 08/84,419

FILING DATE: 10-CCT-1996

ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear

MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 312:
US-10-044-692-312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            uence 312, Application US/10044539
lication No. US20030100093A1
ENERAL INFORMATION:
                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTIC
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GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Feng, Junii
APPLICANT: Funk, Walter
APPLICANT: Funk, Walter
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Two Embarcadero Center, Eighth Floor
STREET: Tang Francisco
STREET: ABAIL-384
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
SOFTWARE: Patentin Release #1.0, Version #1.30
SOFTWARE: Patentin Release #1.0,
APPLICATION NUMBER: US 08/72,102
FILING DATE: 08-APR-1994
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 07-JUL-1994
PRIOR APPLICATION NUMBER: US 08/330,123
ATTORNEY/AGENT INFORMATION:
REFERENCE/DOCKET NUMBER: 015389-000821US
TELECOMMUNICATION NUMBER: 15000821US
TELECOMMUNICATION NUMBER: 15000821US
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Gaps

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US-09-844-006A-3

Sequence 3, Application US/09844006A

Fatent No. US20020083496A1

GENERAL INFORMATION:

APPLICANT: Wyatt, Sarah

APPLICANT: Robertson, Dominique

APPLICANT: Robertson, Dominique

APPLICANT: Boss, Wendy

TITLE OF INVENTION: TRANSGENIC PLANTS WITH INCREASES IN CALCIUM STORES

FILE REPERENCE: 201-503

CURRENT APPLICATION NUMBER: US/09/844,006A

CURRENT FILING DATE: 2001-04-30

PRIOR FILING DATE: 2000-04-28

NUMBER OF SEQ ID NOS: 8

SOFTWARE: PatentIn version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 31, Application US/0995252B
GENERAL INFORMATION:
APPLICANT: Aluli, Ramon
APPLICANT: Futrell, J. William
APPLICANT: Benhaim, Prosper
APPLICANT: Benhaim, Prosper
APPLICANT: Lorenz, Hermann Peter
APPLICANT: Lorenz, Hermann Peter
APPLICANT: Alu, Min
ITILE OF INVENTION: ADIPOSE DERIVED STEM CELLS AND LATTICES
FILE REFERENCE: 30448.77US11
CURRENT APPLICATION NUMBER: US/09/952,52B
CURRENT APPLICATION NUMBER: E07/US00/06232
PRIOR APPLICATION NUMBER: 60/103,711
PRIOR FILING DATE: 2000-03-10
PRIOR SPELING DATE: 1999-103-10
PRIOR APPLICATION NUMBER: 60/162,462
PRIOR APPLICATION NUMBER: 60/162,462
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 86.7%; Score 13; DB 10; Length 28; Best Local Similarity 100.0%; Pred. No. 4.1e+02; Matches 13; Conservative 0; Mismatches 0; Indels
                                                             Length 26;
                                                                                        4.1e+02;
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, OTHER INFORMATION: Synthetic Oligonucleotide.
US-09-844-006A-3
                                                                                                                      Mismatches
                                                        Query Match 86.7%; Scc
Best Local Similarity 100.0%; Pi
Matches 13; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                           1 GCTCTAGAATGAA 13
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LOCATION: (1)..(28)
        US-09-952-522B-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 28
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APPLICANT: Katz, Adam J.

APPLICANT: Liuli, Ramon

APPLICANT: Futrell, J. William

APPLICANT: Hearick, Marc H.

APPLICANT: Hearick, Marc H.

APPLICANT: Hearick, Marc H.

APPLICANT: Hermann Peter

APPLICANT: Hermann Peter

APPLICANT: Lorenz, Hermann Peter

APPLICANT: JOHN MINER: US/09/952,522B

TITLE OF INVENTION: ADIPOSE-DERIVED STEM CELLS AND LATTICES

FILE REFERENCE: 30448.77US11

CURRENT PILING DATE: 2000-03-10

PRIOR APPLICATION NUMBER: ECT/US00/06232

PRIOR APPLICATION NUMBER: 60/162,462

PRIOR APPLICATION NUMBER: 50/162,462

PRIOR APPLICATION NUMBER: 50/162,462
                                                                                                                   Score 15; DB 10; Length 26;
Pred. No. 28;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 118949
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 9; Length 25; 4.1e+02;
                                                                                                                                                                           Indels
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Sequence 118949, Application US/10098263B
Publication No. US20030104410A1
GENERAL INFORMATION:
APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR FILING DATE: 2001-03-16
                                                                                                                                                                           0; Mismatches
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US-09-952-522B-19
Sequence 19, Application US/09952522B
Publication No. US20030082152A1
GENERAL INFORMATION:
ACT Adam J.
                                                                                                                100.0%;
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                       S GCTCTAGAATGAACG 19
                                                                                                                                                                                                                             1 GCTCTAGAATGAACG 15
                                                                                                          Query Match
Best Local Similarity 100.0
Matches 15; Conservative
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Best Local Similarity 100.
Matches 13. Conservative
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US-10-098-263B-118949
; TOPOLOGY: linear; MOLECULE TYPE: DNA US-09-057-351-23
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ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Osteopontin

OTHER INFORMATION: forward primer
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APPLICANT: Ratz, Lull, Ramon
APPLICANT: Futuell, Ramon
APPLICANT: Futuell, Jamon
APPLICANT: Futuell, Jamon
APPLICANT: Futuell, Jamon
APPLICANT: Benhaim, Prosper
APPLICANT: Lorenz, Hermann Peter
APPLICANT: Lorenz, Lorenz, Hermann Peter
APPLICANT: Lorenz, Lorenz, Hermann Peter
APPLICANT: Lorenz, Hermann Peter
APPLICANT: Lorenz, Hermann Pe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 10

US-10-215-112-6862/C

Sequence 6862, Application US/10215112

Publication No US20030082596A1

GENERAL INFORMATION:

TITLE OF INVENTION: Method of Genetic Analysis of Probes:

TITLE OF INVENTION: Test3

TITLE OF INVENTION: Test3

CURRENT APPLICATION WHORE: US/10/215,112

CURRENT PILING DATE: 2002-08-08

NUMBER OF SEQ ID NOS: 14936

SOFTWARE: FastSEQ for Windows Version 4.0

LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match

80.0%; Score 12; DB 9; Length 23;
Best Local Similarity 100.0%; Pred. No. 1.6e+03;
Matches 12; Conservative 0; Mismatches 0; Indels
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Query Match

B0.0%; Score 12; DB 9; Length 25;

Best Local Similarity 100.0%; Pred. No. 1.6e+03;

Matches 12; Conservative 0; Mismatches 0;

Indels
1; Indels
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   Mismatches
                                                                                                                                                                                                                                                                                     Sequence 17, Application US/09952522B Publication No. US20030082152A1 GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
                                                              1 GCTCTAGAATGAAC 14
                                                                                                                          1 GCTCTAGAATGACC 14
   13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 GCTCTAGAATGA 12
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US-09-952-522B-17
Matches
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Publication No. US20030054493A1
GENERAL INFORMATION:
APPLICANT: Williams, James A.
TITLE OF INVENTION: IDENTIFICATION OF NEUTRALIZING EPITOPES
DISPASE
DISPASE
                                                                                                                                                                                                                                                                                             ô
; TYPE: DNA
; ORGANISM: Artificial Sequence
; PEATURE:
; CTHER INFORMATION: Description of Artificial Sequence: PPAR gamma 1
; OTHER INFORMATION: forward primer
US-052-5228-31
                                                                                                                                                                                                                                                                                             .
0
                                                                                                                                                                                                                      Score 12.4; DB 9; Length 23;
Pred. No. 9.1e+02;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY: United States or America
ZIP: 94104
COMPUTER READBLE FORM:
MEDIUM TYPE: FLORDY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Petentin PC-DOS/MS-DOS
SOFTWARE: Petentin PC-DOS/MS-DOS
SOFTWARE: Petentin PC-DOS/MS-DOS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/011,366
FILING DATE: 16-No. US20030054493A1-2001
CLASSIFICATION NUMBER: US/08/957,310
FILING DATE: 23-OCT-1997
PTLING DATE: 23-OCT-1997
APPLICATION NUMBER: US 08/329,154
FILING DATE: 04-DEC-1993
APPLICATION NUMBER: US 07/985,321
APPLICATION NUMBER: US 07/985,321
APPLICATION NUMBER: US 07/985,321
FILING DATE: 04-DEC-1992
APPLICATION NUMBER: US 07/985,321
FILING DATE: 31-OCT-1989
ATTORNEY/AGENT INFORMATION:
NAME: INFORMATION:
NAME: INFORMATION:
NAME: INFORMATE: DOCT-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: Medlen & Carroll
STREET: 220 Montgomery Street, Suite 2200
CITYS The Francisco
STATE: California
COUNTRY: United States of America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            82.7%; Score 12.4; DB 9; 92.9%; Pred. No. 9.2e+02;
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REGIGSTRATION NUMBER: 40,027
REFERENCE/DOCKET NUMBER: OPHD-01121
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION; SEQ ID NO: 16:
US-10-011-366-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               397-8338
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ILEFAX: (415) 397-
FOR SEQ ID NO: 16
                                                                                                                                                                                                                          Query Match
Best Local Similarity 92.9%;
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 2:
CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                        1 GCTCTAGAATGAAC 14
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Best Local Similarity
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US-10-011-366-16
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GENERAL INFORMATION:
APPLICANT: Benning, Christoph
APPLICANT: Rickhof, Wayne
TITLE OF INVENTION: Compositions and Methods for the Production of Betaine Lipids
FILE REFERENCE: MSU-0689;
CURRENT APPLICATION NUMBER: US/10/118,495
CURRENT FILING DATE: 2002-04-08
PRIOR PILILIGATION NUMBER: 60/283,812
PRIOR FILING DATE: 2001-04-13
SOFTWARE: Patentin version 3.1
SEQ ID NO: 13
LENGTH: 26
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                                                                                                                                                                                                                                                                      Length 25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT Filling DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
                                                                                                                                                                                                                                                                                                                  2; Indels
                                                                                                                                                                                                                                                                      Score 11.8; DB 9;
Pred. No. 2.1e+03;
0; Mismatches 2;
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Pred. No. 2.1e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hematopoietic Cells U
Mutation Polypeptides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
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Caparon, Maire H.
Easton, Alan M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 15
US-10-090-182A-255
; Sequence 255, Application US/10090182A
; Publication No. US20030103936A1
; GENERAL INPORMATION:
; APPLICANT: Abrams, Mark A.
Bauer, S. C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: Methods of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-118-495-13
; Sequence 13, Application US/10118495
; Publication No. US20030074688A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 McKearn, John P.
Olins, Peter O.
Paik, Kumnan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Klein, Barbara K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Thomas, John W.
                                                                                                                                                                                                                                                                      78.7%;
86.7%;
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78.7%;
Best Local Similarity 86.7%;
Matches 13; Conservative (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: Synthetic US-10-118-495-13
                                                                                                                                                                                                                                                                                                                                                              1 GCTCTAGAATGAACG 15
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                                                                                                                                                                                                                                                                                                                                                                                                       22 GCCCTCGAATGAACG 8
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Best Local Similarity 86.7'
Matches 13; Conservative
                                                                                                                                                                                TYPE: DNA
ORGANISM: Homo sapien
                                                                                                                                                                                                                         US-10-098-263B-74741
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                                                                                                                                                         Sequence 64499, Application US/10098263B
Sequence 64499, Application US/10098263B
GENERAL INFORMATION:
JAPPLICANT: Mitthan, Michael
JITLE OF INVENTION: Human Microarray
FILE REFERENCE: 318.1
CURRENT PAPLICATION NUMBER: US/10/098,263B
CURRENT PILING DATE: 2003-01-08
PRIOR PILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 9; Length 25;
1.6e+03;
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Publication No. US20030082596A1
Publication No. US20030082596A1
Publication No. US20030082596A1
APPLICANT: Michael Mittmann
TITLE OF INVENTION: Method of Genetic Analysis of Probes:
TITLE OF INVENTION: Test3
FILE REFERENCE: 3119
CURRENT APPLICATION NUMBER: US/10/215,112
CURRENT APPLICATION NUMBER: US/10/215,112
CURRENT PILING DATE: 2002-08-08
NUMBER OF SEQ ID NOS: 14936
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ) OTHER INFORMATION: Synthetic Oligonucleotide US-10-215-112-12114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Prec. ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   80.0%; Score 12;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Mittman, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 GCTCTAGAATGAACG 15
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Matches 12; Conservative
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                                              15 GCTCTAGAATGA 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-64498
                                                                                                                               RESULT 11
US-10-098-263B-64498/c
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US-10-215-112-12114/c
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LENGTH: 25
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us-08-770-564a-10.rnpb

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Query Match

78.7%; Score 11.8; DB 9; Length 40;
Best Local Similarity 86.7%; Pred. No. 2.1e+03;
Matches 13; Conservative 0; Mismatches 2; Indels
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APPLICATION NUMBER: 08/764,114
PILING DATE: 09-62-1996
APPLICATION NUMBER: US 07/981,044
PILING DATE: 24-NOV-1992
APPLICATION NUMBER: PCT/US93/11197
FILING DATE: 22-NOV-1993
APPLICATION NUMBER: 08/411,795
FILING DATE: 04-JUN-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION DATA:
RAPLICATION NUMBER: US/10/090,182A
FILING DATE: 03-Apr-2002
CLASSIFICATION: <Unknown>.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: S. Christopher Bauer
REGISTRATION NUMBER: 42,305
REFERENCE/DOCKET NUMBER: C2713/12
TELECOMMUNICATION INFORMATION:
TELEPHONE: (636)737-6257
TELEPRAX: (736)737-6257
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear
MOLECULE TYPE: DNA (synthetic)
SEQUENCE DESCRIPTION: SEQ ID NO: 255:
CORRESPONDENCE ADDRESS:
ADDRESSEE: S. Christopher Bauer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO: 255:
SEQUENCE CHARACTERISTICS:
LENGTH: 40 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                              STREET: 800 N
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Search completed: June 25, 2003, 22:25:07 Job time : 45.5976 secs

Title: Perfect score:

Sequence:

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Run on:

Scoring table:

Word size :

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CCUNTRY: USA
ZIP: 94111-3834
CCMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: SCOTELLA, JOHN R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002300US
TELEPHONE: 415-576-0200
TELEPHONE: 415-576-0200
TELEPHONE: 415-576-0200
TELEPHONE: A15-576-0200
                               PCT US94 - 0210 - 3

US-08-170-565-11

US-08-363-240A-659

US-08-363-240A-659

US-08-363-240A-660

US-08-363-240A-1203

US-08-974-180-4

US-08-974-180-4

US-08-08-143B-13

PCT-US92-10621-13

US-08-627-216A-5
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US-08-697-610-11
US-08-349-357-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: TOWNSEND and TOWNSEND and CREW STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
                                                                                                                                                                                                                                                                                                                                                             ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; Sequence 8, Application US/08770565; Patent No. 5846723; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Kim, Nam Woo
APPLICANT: Wu, Fred
APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ronald
APPLICANT: Weinrich, Scott L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 100.0
Matches 30, Conservative
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          California
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MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 1
US-08-770-565-8
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                                                                                                      June 23, 2003, 04:53:08 ; Search time 46.9721 Seconds (without alignments) 195.867 Million cell updates/sec
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Sequence
Sequence
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/ cgn2 6/ptodata/2/ina/5A COMB.seq:*

: /cgn2 6/ptodata/2/ina/5B COMB.seq:*

: /cgn2 6/ptodata/2/ina/6A COMB.seq:*

: /cgn2 6/ptodata/2/ina/6B COMB.seq:*

: /cgn2 6/ptodata/2/ina/PcTUS COMB.seq:*

: /cgn2 6/ptodata/2/ina/PcTUS COMB.seq:*
GenCore version 5.1.6
(c) 1993 - 2003 Compugen Ltd.
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S-08-482-115B-23
S-08-60-617B-23
S-08-710-249-26
S-08-478-778-19
S-08-520-556A-19
S-08-520-556A-19
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5-09-220-157A-26
5-09-286-959B-4
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5-08-770-565-9
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5-08-630-172-24
5-09-375-419-24
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                                                                      - nucleic search, using sw model
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Gapop_60.0 , Gapext 60.0
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Match Length
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                                                                                                                                                                                                                                                                                                                                           Score 22; DB 1; Length 26;
Pred. No. 0.00051;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Manner
AP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOTTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: PAPLICATION NUMBER: US/08/660,678A FILING DATE: 05-UW-1996 CLASSIPICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 22; DB 2; Lo
Pred. No. 0.00051;
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100.0%; Pred. No. ...
0; Mismatches
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
PILIOR DATE: 27-0CT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-0U1-1994
ATTORNEY AGENT INFORMATION:
NAME: Storella, John R.
REGISTATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-0008
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIF: "#111.00
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 GCTCTAGAATGAACGGTGGAAG 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 23, Application US/08660678A Patent No. 5837857
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 GCTCTAGAATGAACGGTGGAAG 22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.0
Matches 22; Conservative
                         INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
LENGTH: 26 base pairs
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                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: sing
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                                                                                                                                                                                                     TOPOLOGY: linear MOLECULE TYPE: DNA
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US-08-660-678A-23
TELEFAX:
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APPLICANT: Feng, Junii
APPLICANT: Punk Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Assays for the RNA Component of Human
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  73.3%; Score 22; DB 1; Length 26; 100.0%; Pred. No. 0.00051; tive 0; Mismatches 0; Indels
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MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
COMPUTER: PACHICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATTORNEY/AGENT INFORMATION:
AMPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATTORNEY/AGENT INFORMATION:
PatentIn Release #1.0, Version #1.25
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STREET: Two Embarcadero Center, Bighth Floor
CITY: San Francisco
STATE: California
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REGISTRATION NUMBER: 32,944
REFERENCE/POCKET NUMBER: 015389-000830US
IELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                               FILLING DATE: ("-CLILIDER")
PRIOR APPLICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UNDER: 80 8/272,102
FILLING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,233
REFERENCE/DOCKET NUMBER: 15389-000810
TELEPHONE: (415) 326-2440
TELEPHONE: (415) 326-2440
TELEPHONE: (415) 326-2422
INFORMATION FOR SEQ ID NO: 23: SEQUENCE GRARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
STRANDEDNESS: single
                            CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/330,123A
FILING DATE: 27-OCT-1994
CLASSIFICATION: 435
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Patent No. 5776679
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Best Local Similarity 100.
Matches 22; Conservative
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US-08-482-115B-23
SOFTWARE:
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APPLICANT: Marhuenda, Maria Antonia Blasco
APPLICANT: Vileponceau, Bryant
TITLE OF INTERNION: RNA COMPONENT OF TELOMERASE
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reymolds, P.C.
STRET: Two Militia Drive
STRET: Two Militia Drive
CITY: Lexington
STRET: Brook Compatible
COMPUTER: PLOPSY disk
COMPUTER: PLOPSY DATA:
PELING DATE: 10 7-15-195
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 13-FEB-1995
FILING DATE: 13-FE
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| Sequence 24, Application US/08472802C
| Patent No. 5558680
| GENERAL INFORMATION:
| APPLICANT: Villeponteau, Bryant
| APPLICANT: Peng, Junii
| APPLICANT: Andrews, William H.
| TITLE OF INVENTION: Mammalian Telomerase
| NUMBER OF SEQUENCES: 44
| NUMBER OF SEQUENCES: 44
| NUMBER OF SEQUENCES: 44
| STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco
| STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco
| STATE: California
| COUNTRY: USA
| ZIP: 94111-3834
| COUNTRY: READABLE FORM:
| MEDIUM TYPE: Floppy disk
| COMPUTER: IBM PC Compatible
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US-08-472-802C-24
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Sequence 19, Application US/08485778
Sequence 19, Application US/08485778
Sequence 19, Application US/08485778
SENERAL INFORMATION:
APPLICANT: Andrew, William H.
APPLICANT: Avilion, Ariel Athena APPLICANT: Peng, Juni:
APPLICANT: Funk, Walter
APPLICANT: Funk, Walter
APPLICANT: Greider, Carol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear MOLECULE TYPE: DNA
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/998,443
FILING DATE:
CLASSIFICATION
APPLICATION NUMBER: US/08/660,678
FILING DATE: 05-JUN-1996
APPLICATION NUMBER: US 08/330,123
FILING DATE: 05-JUN-1996
APPLICATION NUMBER: US 08/330,123
FILING DATE: 07-OCT-1994
PRIOR APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: SLOCTELIA, JOHN R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000811US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 2.5.
Sequence 2.6.
Patent No. 6054575
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Fend, Junil
APPLICANT: Fonk, Walter
APPLICANT: Fonk, Walter
APPLICANT: Fonk, Walter
APPLICANT: Fonk, Walter
APPLICANT: Tonkews, William H.
TITLE OF INVENTION:
MUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
CITY: STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 22; DB 3; Le
Pred. No. 0.00051;
                                                                                          NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE DOCKET NUMBER: 32,227
REFERENCE TOOKET NUMBER: 32,227
TELEPHONE: 617-861-6240
INFORMATION FOR SEQ ID NO: 19: SEQUENCE CHARACTERISTICS:
LENGTH: 25 base pairs
IYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 73.3%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 0.0 Matches 22; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (415) 576-0200
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 26 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                             linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   USA
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TOPOLOGY:
US-08-520-550A-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-998-443-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Andrews, William H.
APPLICANT: Avilion, Ariel A.
APPLICANT: Feng, Junil
APPLICANT: Fonk, Walter
APPLICANT: Greider, Carol
APPLICANT: Greider, Carol
APPLICANT: Marhuenda, Maria A. B.
APPLICANT: Marhuenda, Maria A. B.
APPLICANT: Willeponteau, Bryant
TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSER: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Learington
STREET: MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: US
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATIOR SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/520,550A
FILING DATE: 29-AUG-1995
CLASSIFICATION DATA:
APPLICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/387,524
FILING DATE: 27-OCT-1994
YSTEM: PC-DOS/MS-DOS
PatentIn Release #1.0, Version #1.30
                                      CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,802C
PILING DATE: US-0-UN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07--UL-1994
FILING DATE: 07--UL-1994
FILING DATE: 27-CCT-1994
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-CCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: SMITH, WILLIAM M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 15389-00087
TELECHOWICATION INFORMATION:
TELEPHONE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 19, Application US/08520550A Patent No. 6013468 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 GCTCTAGAATGAACGGTGGAAG 22
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                       SOFTWARE: Patentin Rele
CURRENT APPLICATION DATA:
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US-08-472-802C-24
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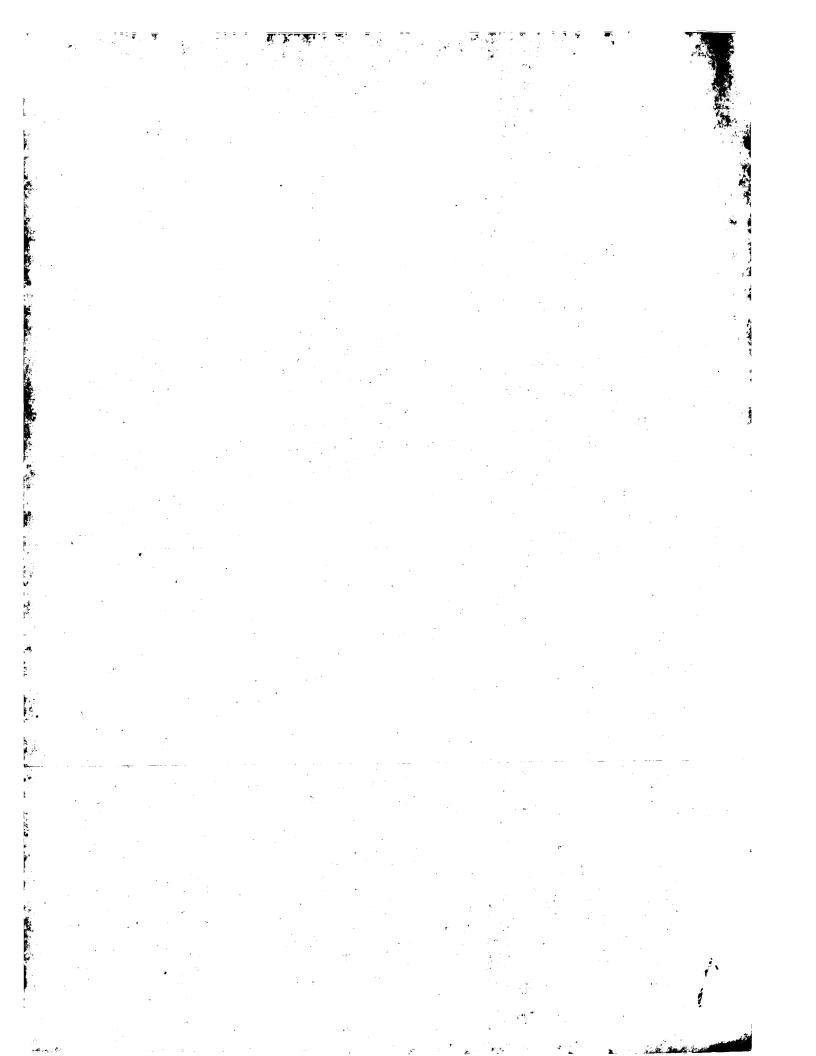
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APPLICANT: Feng, Junia
APPLICANT: Andrews, William H.
TITLE OF INVENTION:
ADDRESSES: 25
CORRESPONDENCE 25
CORRESPONDENCE ADDRESS:
ADDRESSES: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIF: 94111-3834
COMPUTER: Labare FORM:
MEDIUM TYPE: Floopy disk
COMPUTER: IBM FC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/060,523
FILING DATE: 14-APR-1998
CLASSIFCATION: 536
PRIOR APPLICATION NUMBER: US 08/2023
FILING DATE: 05-JUN-1996
FRING APPLICATION NUMBER: US 08/330,123
FILING DATE: 05-JUN-1994
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUN-1994
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUN-1994
APPLICATION NUMBER: 015389-000813US
FELENCOMMUNICATION NUMBER: 015389-000813US
TELECOMMUNICATION NUMBER: 015389-000813US
TELEFAX: (415) 576-0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 73.3%; Score 22; DB 4; Best Local Similarity 10:0%; Pred. No. 0:00051 Matches 22; Conservative 0; Mismatches
                                                                                                            015389-002610US
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LOCATION: 1.26
OTHER INFORMATION: /note= "R3c primer"
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; Patent No. 6258535
; GENERAL INFORMATION:
FILING DATE: 01-OCT-1997
ATTORNEY AGENT INFORMATION:
NAME: APPLE, RANGOLPH TEG
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 01538
TELECHONICATION INFORMATION:
TELEPHONE: (415) 576-0200
INFORMATION FOR SEQ ID NO: 598:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: single
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MOLECULE TYPE:
PEATURE:
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APPLICANT: Lingner, Joachim .
APPLICANT: Lingner, Joachim .
APPLICANT: Chapman, Karen B.
APPLICANT: Chapman, Karen B.
APPLICANT: Morin, Gregg B.
APPLICANT: Marley, Calvin B.
APPLICANT: Andrews, William H.
APPLICANT: Andrews, William H.
ATTILE OF INVENTION: Human Telomerase Catalytic Subunit NUMBER OF SEQUENCES: 727
CORRESPONDENCE ADDRESS:
ADDRESSEE: Two Embarcadero Center, Eighth Floor CITY: San Francisco
                                                                                                                                        Length 26;
                                                                                                                                                                                             0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STATE: CALIDOTINA
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUW TYPE: Floppy disk
COMPUTER: Parabable FORM:
MEDIUW TYPE: Floppy disk
COMPUTER: Parentin Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US/08/974,549A
FILING DATE: 19-NOV-1997
CLASSIFICATION NUMBER: US/08/974,549A
FILING DATE: 10-NOV-1996
PRIOR APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1966
PRIOR APPLICATION NUMBER: US 08/844,419
FILING DATE: 25-APR-1997
PRIOR APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
PRIOR APPLICATION NUMBER: US 08/851,843
APPLICATION NUMBER: US 08/851,843
FILING DATE: 14-AUG-1997
PRIOR APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
PRIOR APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
PRIOR APPLICATION DATA: US 08/911,312
FILING DATE: 14-AUG-1997
PRIOR APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
PRIOR APPLICATION DATA: US 08/911,312
FILING DATE: 14-AUG-1997
PRIOR APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: US-AUG-1997
PRIOR APPLICATION NUMBER: WO PCT/US97/17618
                                                                                                                                     Query Match 73.3%; Score 22; DB 3; I Best Local Similarity 10.0%; Pred. No. 0.00051; Matches 22; Conservative 0; Mismatches 0,
                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 598, Application US/08974549A Patent No. 6166178
                                                                                                                                                                                                                                               1 GCTCTAGAATGAACGGTGGAAG 22
                                                                                                                                                                                                                                                                                              5 GCTCTAGAATGAACGGTGGAAG 26
   ; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-998-443-23
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STATE: CA
COUNTRY:
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Patent No. 6300110
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Adams, Robert R.
TITLE OF INVENTION: Methods and Reagents for Regulating
TITLE OF INVENTION: Telomere Length and Telomerase Activity
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                         DB 4; Length 26; 0.00051;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 73.3%; Score 22; DB 4; Length 26; Best Local Similarity 100.0%; Pred. No. 0.00051; Matches 22; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                     0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco COUNTRY: San Francisco COUNTRY: USA ZIP: 94111-3834 COMPUTER READABLE FORM: WEDIUM TYPE: Ploppy disk COMPUTER: IBM PC COMPATE: DE-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/220,157A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-001220US
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                      Query Match 73.3%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 0.0 Matches 22; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION:
PRIOR APPLICATION:
APPLICATION DATA:
APPLICATION NUMBER: US/08/710,249
FILING DATE: 13-SEP-1996
APPLICATION NUMBER: US 08/583,808
FILING DATE: 05-JAN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/003,492
FILING DATE: 08-SEP-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                               1 GCTCTAGAATGAACGGTGGAAG 22
                                                                                                                                                                                                                                                                                                                                         5 GCTCTAGAATGAACGGTGGAAG 26
    23:
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TELEPAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 26:
SEGUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
                                                            TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE
                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-220-157A-26
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                                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: Johns Hopkins University
APPLICANT: Johns Hopkins University
APPLICANT: Genider, Carol W.
TITLE OF INVENTION: TELOMERASE-ASSOCIATED PROTEINS
FILE REPREBRICE: 07265/157001
CURRENT APPLICATION NUMBER: US/09/286,959B
CURRENT PILING DATE: 1999-04-06
PRIOR APPLICATION NUMBER: 60/080,783
PRIOR FILING DATE: 1998-04-06
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Search completed: June 23, 2003, 10:17:06
Job time : 46.9721 secs
GCTCTAGAATGAACGGTGGAAG 22
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                                                                                                                                           Sequence 4, Application US/09286959B Patent No. 6300131
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Best Local Similarity 100.0%; Pi
Matches 22; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: Primer US-09-286-959B-4
                                                                                                                           US-09-286-959B-4
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Human telomerase-a
Human telomerase (
RNA component of h
RNA component of h
Human telomerase p
Human telomerase p
Human telomerase p
Sense primer for h
Human telomerase p
Human telomerase p
Human telomerase p

Human telomerase p Human telomerase p Human telomerase p Human telomerase p

PCR primer #1 used Murine Cdc25A intr

Soybean 318013 reg Oligonucleotide ad Oligonucleotide ad Oligonucleotide ad C. difficile toxin Clostridium diffic Novel recombinant

CRT C-domain-green Human GPCR TDAGB(1

Human telomerase P Human hTR gene RT-Telomerase PCR pri Human telomerase R Human telomerase R

Primer for product

PCR primer for Hum Human telomerase R

Title: Perfect score:

Sequence:

OM nucleic

Run on:

Scoring table:

Word size :

Searched:

Database :

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Human, telomerase RNA component, anticancer therapy, purification, assay; vaccine, cancer, antisense oligonucleotide, ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Antisense oligonucleotide 14 for human telomerase RNA component.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ALIGNMENTS
                                                                                                                                                                                                                                                 AAT97049
AAS15921
                                                                                                                                                                                                                                                                                            AAS15923
AAS15924
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AAS15926
AAS15930
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/note= "biotinylated"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAV63649 standard; DNA; 30 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              97WO-US06012
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              04-APR-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            04-APR-1997;
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Oligonucleotide us
RNA component of h
Human telomerase R
Human telomerase R
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RNA component of h
Human clone 28-1 t
Antisense oligonuc
                                                                                                June 22, 2003, 18:09:32 ; Search time 199.363 Seconds (without alignments) 338.880 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                     A SIDS2/gcgdata/geneseq/geneseqn-embl/NA1980.DAT:*

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SIDS2/gcgdata/geneseq/geneseqn-embl/NA1991.DAT:*

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SIDS2/gcgdata/geneseq/geneseqn-embl/NA1992.DAT:*

SIDS2/gcgdata/geneseq/geneseqn-embl/NA1992.DAT:*

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SIDS2/gcgdata/geneseq/geneseqn-embl/NA2001A.DAT:*

SIDS2/gcgdata/geneseq/geneseqn-embl/NA2001A.DAT:*

SIDS2/gcgdata/geneseq/geneseqn-embl/NA2001A.DAT:*

SIDS2/gcgdata/geneseq/geneseqn-embl/NA2001A.DAT:*
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Description
                                                                                                                                                                                                                                                                                                                          2166140
            5.1.6
Compugen Ltd.
                                                                                                                                                        US-08-770-564A-8
30
1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
                                                                                                                                                                                                                                                                                                                      Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                               2185239 segs, 1125999159 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SUMMARIES
             GenCore version (c) 1993 - 2003
                                                                                                                                                                                                                                                                                                                                                                                                 Post-processing: Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAV63649
AAV41175
AAZ33631
AAS09476
AAS15928
AAS1517
AAV41193
ABA95497
AAZ08704
                                                                    nucleic search, using sw model
                                                                                                                                                                                                                  OLIGO_NUC
Gapop_60.0 , Gapext 60.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Copyright
                                                                                                                                                                                                                                                                                                                                                   Minimum DB seq length: 0 Maximum DB seq length: 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query
Match
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100.0
100.0
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76.7
73.3
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233000000

6450789

Result No.

us-08-770-564a-8.oligo.rng

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Key
modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               04-AUG-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US5968506-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19-0CT-1999
                                                                                                                                                                                                                                                                                                                                                                                                    AAZ23631;
                                                                                                                                                                                                                                                                                                                                                                    AAZZ3631
ID AAZ
                                                                                                                                                                                                                                                                                                                                                             RESULT 3
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                                                                                         The present sequence represents an antisense oligonucleotide directed against the human telemerase RNA component gene sequences. The oligonucleotide can be used as an affinity agent in the methods of invention, which are used to purify human telemerase. The methods involve the use of several sequential steps, including the use of two matrixes that bind molecules bearing positive charges, an affinity purification step and a size separation. Telemerase is a particular target of anticancer therapies, and is useful in assays for characterizing (pre)cancerous for blochemical analysis of its activity, and in preparation of antibodies. Fragments of telemerase, or nucleic acide encoding them, are used in vaccines, and for treating over expression of telemerase, particularly in cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RNA component; human telomerase; antisense oligonucleotide; infection; neuroblastoma; bladdar cancer; colon cancer; prostate cancer; cancer; contraception; sterilisation; immunosuppression; therapeutic; hTR; immune system down-regulation; anti-inflammatory therapy; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New polynucleotide(s) antisense to human telomerase - used for detecting or inhibiting human telomerase, e.g. for treating cancers, contraception, immuno-suppression or treating infection
                                        Purification of telomerase on affinity material - useful for, e.g. diagnosis and treatment of cancer
                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                         Length 30;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        RNA component of human telomerase (hTR) antisense oligo 21.
                                                                                                                                                                                                                                                                                              0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pruzan R, Weinrich SL, Wu F;
                                                                                                                                                                                                                                                                    'Match 100.0%; Score 30; DB 19; Local Similarity 100.0%; Pred. No. 7.6e-08; les 30; Conservative 0; Mismatches 0:
                                                                                                                                                                                                                                                      Sequence 30 BP; 8 A; 5 C; 13 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                 1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
                                                                                                                                                                                                                                                                                                                  1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
                                                                                                                                                                                                                                                                                                                                                                             Disclosure; Page 24; 76pp; English.
Vasserot AP, Weinrich SL;
                                                                                                                                                                                                                                                                            Query Match
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Matches
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Sequences shown in AAV41169 to AAV41181 represent antisense
Colgonuclectides to the RNA component of human telomerase (hTR). These
colgonuclectides pecifically hybridise to a nuclectide
acquence within an accessible region of the hTR, but that does not
hybridise to a sequence within the template region of hTR. These
component of human telomerase in a sample. This is useful for diagnosing
component of human telomerase in a sample. This is useful for diagnosing
cancer (especially neuroblastoma, bladder, colon and prostate cancer),
and providing prognosis for a cancer patient. The inhibitory
cancer inhibities the telomerase activity level in a call by
interfering with transcription of the RNA component, decreasing the
half-life of the telomerase RNA component transcript, inhibiting the
polymerase activity of telomerase. These antisense oligonucleocides can
cells in vivo. They can be used in therapeutics for treating or
preventing cancer, for contraception or sterilisation, for
immunosuppression, and for selectively down-regulating specific branches
of the immune system, e.g. a specific subset of T-cells, in

cancer full and and for selectively down-regulating specific branches
of the immune system, e.g. a specific subset of T-cells, in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Compositions comprising human telomerase, useful for treating diseases associated with overexpression of telomerase e.g. cancer -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Telomerase; human; immune response; cancer; vaccine; treatment;
disease; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match

100.0%; Score 30; DB 19; Length 30;
Best Local Similarity 100.0%; Pred. No. 7.6e-08;
Matches 30; Conservative 0; Mismatches 0; Indele
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Atkinson BM, Lichtsteiner SP, Weinrich SL, Pruzan RA,
Vasserot AP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human clone 28-1 telomerase oligonucleotide oligo-14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /*tag= a
/note= "5'-biotinylated guanosine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 30 BP; 8 A; 5 C; 13 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 gereragaargaacgeregaaggegeagg 30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        95US-0510736.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAZ23631 standard; DNA; 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         07-JAN-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 1999-590379/50.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      parasites or fungi.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GERO-) GERON CORP.
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Best Loc
Matches
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AAS15928
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The sequence represents a biotinylated antisense oligonucleotide used in the purification of human telomerase. The invention relates to a purified human telomerase core enzyme protein comprising 2000-fold increased purity compared with a crude extract of cells from adenovirus-transformed kidney cell line (293 cells) and when associated with telomerase RNA component has DNA polymerase activity and a molecular weight of 200-2000 kilo Daltons (kDa). The purified telomerase is useful
                          This invention describes a novel composition comprising human telomerase having at least 2000-fold (preferably at least 6000-fold) increased relative purity compared with crude extract of calls from adenovirus-transformed kidney cell line. The composition is useful for eliciting an immune response in animals and may therefore be used as a vaccine for treating diseases associated with the overexpression of telomerase e.g. cancer. AAZ31626-Z3367 represent oligonucleotides used in the isolation of human clone 28-1 which contains a fragment of the human telomerase described in the method of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pruzan RA;
                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               thousand folds increased purity compared
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Purified human telomerase, useful for inducing immune response in
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                                                                                                                                                                                                                        Length 30;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Antisense oligonucleotide for human telomerase, Oligo 14.
                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; Telomerase; vaccine; antibody; cancer; EF2H; nucleolin; antisense oligonucleotide; Oligo 14; ss.
                                                                                                                                                                                                                      100.0%; Score 30; DB 20; 100.0%; Pred. No. 7.6e-08;
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                                                                                                                                                                                       Sequence 30 BP; 8 A; 5 C; 13 G; 4 T; 0 other;
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                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                                     1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
                                                                                                                                                                                                                                                                                                                  1 Gereradaardaacderecaadgeedege 30
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/mod_base= G
/note= "G is biotinylated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               animals, comprises several thousand folds
with cytoplasmic crude cell preparations
Disclosure; Column 45-46; 34pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; Column 18; 29pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
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95US-0510736
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                     30; Conservative
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                                                                                                                                                                                                                      Query Match
Best Local Similarity
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modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US6261556-B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    18-OCT-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                24-OCT-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                 AAS09476;
                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                  RESULT 4
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useful as affinity agents in isolating the proteins and for detecting the presence of proteins in a sample, such as cell or tissue. Identification of telomerase aids in diagnosis of cancer or pre-cancerous states.
                                                                          such as
                                                                                            cancer and for producing antibodies that recognize telomerase, which are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to polynucleotide inhibitors (I) and methods for inhibiting telomerase activity. (I) are useful in inhibiting telomerase activity and proliferation of a telomerase positive cell, and in manufacturing a medicament for inhibiting telomerase activity in a cell and in treating telomerase-mediated condition or disease, such as adenocarcinoma of breast, prostate or colon, mixed cell leukaemia,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; telomerase; hTR; cytostatic; anti-inflammatory; adenocarcinoma; breast; prostate; colon; mixed cell leukaemia; Hodgkin's disease; fertility; inflammatory condition; tumour; cancer; veterinary; immunosuppression; telomerase inhibitor; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New polynucleotide useful for inhibiting telomerase activity in cells, or for treating telomerase-mediated condition or disease, such as cancers, tumours, Hodgkin's disease, or inflammatory conditions -
for inducing a humoral or cell-mediated immune response in an animal.
Purified telomerase or immunogenic fragments are useful as vaccines f
treating diseases associated with over-expression of telomerase, such
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                             Telomerase and/or telomerase associated proteins are also useful for screening compounds to identify agents that alter the association of telomerase-associated proteins, such as nucleolin or EP2H with
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 30;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 30; DB 22;
100.0%; Pred. No. 7.6e-08;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 30 BP; 8 A; 5 C; 13 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human telomerase polynucleotide inhibitor #9.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 GCTCTAGAATGAACGGTGGAAGGCGCCAGG 30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /mod_base= OTHER
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 27-FEB-2002 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity 100.
nes 30; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2001-656955/75.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO200174136-A2
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modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11-OCT-2001
                                                                                                                                                                                                                                                                                                                                                            telomerase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAS15928;
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Hodgkin's disease, fertility and inflammatory conditions. (I) are also useful in treating a tumour or in manufacturing a medicament for the treatment of tumour. The polymucleotide inhibitors may also be used in diagnostic assays for detecting RNA or DNA. Inhibition of telomerase ectivity in cells in vivo is useful in proph/lactic and therapeutic methods of treating cancer and other disorders involving inappropriate expression of telomerase, and in treating veterinary proliferative for immunosuppression and for selectively down-regulating specific for immunosuppression and for selectively down-regulating specific human telomerase polyuucleotide inhibitor #9, as described in the method of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Amplifying signal by contacting nanoparticles (N) having bound oligomuclectides to silver deposited on substrate to form N-silver sandwich that is contacted with silver, reducing agent to form silver-M-silver sandwich -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The present sequence is that of an oligonucleotide prepared using phosphoramidite chemistry. A nanoparticle conjugate was prepared by joining the 5-meraptoralkyl oligonucleotide to gold nanoparticles. The nanoparticle conjugate was used to enhance the sandwich amplification of a silver signal on glass slides containing silver sporte from oligonucleotide assays performed using silver staining. This illustrated the method of the invention, which is based on the discoveries that: (1) gold
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                                                                                                                                                                                                                                                                         Query Match 100.0%; Score 30; DB 23; Length 30; Best Local Similarity 100.0%; Pred. No. 7.6e-08; Matches 30; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Silver staining; signal detection; nanoparticle; diagnosis; screening; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Oligonucleotide used in gold nanoparticle complex.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1..30
/*tag= a
/note= "phosphoramidate linkage"
                                                                                                                                                                                                                                         Sequence 30 BP; 8 A; S C; 13 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                         1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
                                                                                                                                                                                                                                                                                                                                                 1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 1; Page 12; 24pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABA91517 standard; DNA; 30 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     18-APR-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (NANO-) NANOSPHERE INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2002-164654/21.
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modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABA91517;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABA9151
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previously been deposited on gold nanoparticle-ocide
conjugates immobilised by hybridisation on a glass substrate or
conjugates immobilised by hybridisation on a glass substrate or
plate; and (2) that the gold-nanoparticle-oligonucleotide-silver-gold
oligonucleotide structures function as a catalyst for the further
deposition of silver ions. The discoveries were applied to a method
cor amplifying signal by enhancing silver spot serves as a reporter
cor amplifying signal by enhancing silver spot serves as a reporter
cor amplifying signal by enhancing silver spot serves as a reporter
cor the presence of a molecule, including proteins, nucled, calds
and small molecules. The detecting systems include detection of
molecules in situ (e.g. on cells or in a tissue sample) and assays
where the target molecule is bound to a substrate or is captured by
a capture molecule. The method has special utility in increasing
involving detection of target molecules arrayed at discrete
positions on a solid surface. It provides a means for greatly
microchips. The method is simple, economical, and provides a large
enhancing the sensitivity of tests carried out on microarrays or
microchips. The method is simple, economical, and provides a large
enhancement in signal and sensitivity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               This primer is used for the RT-PCR amplification of an RNA component of human telomerase (HTR). This is used in the method of invention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RNA component; human telomerase; antisense oligonucleotide; infection; neuroblastoma; bladder cancer; colon cancer; prostate cancer; contraception; sterilisation; immunosuppression; therapeutic; hTR; immune system down-regulation; anti-inflammatory therapy; RT-PCR; primer; ss.*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New polynucleotide(s) antissense to human telomerase - used for detecting or inhibiting human telomerase, e.g. for treating cancers contraception, immuno-suppression or treating infection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RNA component of human telomerase (hTR) amplifying reverse primer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 100.0%; Score 30; DB 24; Length 30; Best Local Similarity 100.0%; Pred. No. 7.6e-08; Matches 30; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 30 BP; 8 A; 5 C; 13 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kealey JT, Kim NW, Pruzan R, Weinrich SL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 GCTCTAGAATGAACGGTGGAAGGCGGCAGG 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 65; Page 75; 80pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAV41193 standard; DNA; 27 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 1998-377670/32.
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20-DEC-1996;
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determining the amount of hTR in a sample. The method comprises amplifying a sequence of hTR and a control polynucleotide from a sample and and determining an amount of amplified hTR and an amount of amplified control polynucleotide. The amount of amplified hTR is normalised with respect to the amount of amplified control polynucleotide to provide a normalised amount of hTR which provides a determination of the amount of hTR which provides antisense oligonucleotides to the hTR which may specifically be used for detection of the amount of the hTR which may specifically be used for detection of an RNA component of the hTR which may specifically be used for detection of an RNA component of the hTR which may specifically be used for detection of an RNA component of the hTR which may specifically be used for detection of an encer of providing prognosis for a cancer patient. The antisense oligonucleotides can be used for inhibiting telomerase activity in both cultured cells and in cells in vivo. They can be used in therapeutics for treating or preventing cancer, for contraception or steriliation, for preventing cancer, for contraception or steriliation, for immunosuppression, and for selectively down-regulating specific branches of the immune system, e.g. a specific subset of T-cells, in anti-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 27 BP; 7 A; 3 C; 10 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         parasites or fungi.
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Query Match 76.7%; Score 23; DB 19; Length 27; Best Local Similarity 100.0%; Pred. No. 0.00079; Matches 23; Conservative 0; Mismatches 0; Indels 5 GCTCTAGAATGAACGGTGGAAGG 27 1 GCTCTAGAATGAACGGTGGAAGG 23

; 0

ABA95497 standard; DNA; 27 RESULT 8 ABA95497

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ABA95497;

(first entry) 12-MAR-2002

Human telomerase RNA, hTR, antisense PCR primer.

telomerase RNA; PCR primer; cancer; breast; ovarian; stomach; hTR; ss. Human; colon;

Homo sapiens.

EP1158055-A1.

28-NOV-2001.

26-MAY-2000; 2000EP-0111370.

26-MAY-2000; 2000EP-0111370.

(CHEN/) CHEN X Q. (STRO/) STROUN M. (ANKE/) ANKER P.

Anker P; Stroun M, Chen XQ,

WPI; 2002-099090/14.

Accurate, reliable diagnosis and/or prognosis of cancer, e.g. breast cancer, by analyzing the RNA components of telomerase in plasma or serum

Example; Column 3; 6pp; French

The present invention relates to a method for diagnosing and/or monitoring the evolution of cancers. The method comprises analysing enzyme telomerase RNA in blood plasma or serum. The method is typically used for diagnosing breast, ovarian, stomach or colon cancer and/or monitoring the evolution of the cancers after treatment by chemotherapy or operations. The present sequence is a PCR primer for human telomerase

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nethod has been developed for detecting telomerase activity in a non-cellular portion of body fluid from a cancer patient using a modified telomeric repeat amplification protocol (TRAP). A method for detecting cancer comprises (a) removing the cellular portion of a body fluid specimen from the patient; (b) preparing a protein extract from the patient; (c) assaying the extract for the presence and quantity of telomerase RNA or telomerase activity; and (d) comparing the results with normal levels, to determine the presence of cancer. The methods are used in cancer diagnosis and prognosis, and also to monitor cancer therapy effectiveness. Unlike prior art telomerase activity assays in cancer patients, the method allows noninvasive sample collection. The methods are also more reliable and less tumour specific than other methods which detect circulating tumour markers. The present sequence represents a human telomerase RNA template PCR primer used in the exemplification of the present invention.
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                                                                                                      Gaps
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 RNA (hTR), which was used in the example from the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                      Telomerase; body fluid; cancer; tumour; screening; TRAP; diagnosis; telomeric repeat amplification protocol; detection; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Detecting telomerase activity in non-cellular body fluid using a modified telomeric repeat amplification protocol
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                                                                   Length 27
                                                                                                      0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Strovel JW;
                                                              76.7%; Score 23; DB 24; L
100.0%; Pred. No. 0.00079;
tive 0; Mismatches 0;
                                Sequence 27 BP; 7 A; 3 C; 10 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                     Human telomerase RNA template PCR primer R3C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 25 BP; 7 A; 3 C; 9 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Stamberg J,
                                                                                                                                        1 GCTCTAGAATGAACGGTGGAAGG 23
                                                                                                                                                                       GCTCTAGAATGAACGGTGGAAGG 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; Page 16; 32pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    99WO-US03302
                                                                                                                                                                                                                                                               AAZ08704 standard; DNA; 25
                                                                                                                                                                                                                                                                                                                                 20-OCT-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Abruzzo LV, Highsmith E,
                                                               Query Match
Best Local Similarity 100.0
Matches 23; Conservative
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nes 22; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                                                                                                                                                                                AAZ08704;
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                                                                                                                                                                                                                              RESULT 9
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RNA component of human telomerase antisense plasmid PCR primer R3C.
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                                                                                                                                  25-JAN-1996.
                                                                                          Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                The present sequence, a nested PCR primer for the RNA component of human telomerase (RCHT), was used in a 5' RACE procedure. The RCHT can be used in the recombinant prodn. of an active telomerase mol., capable of adding sequences to chromosomal DNA telomerase, and in the synthesis of mutant sequences for the detection of mutant mammalian telomerase RNA component polynucleotides. The RCHT may also be used in the identification of telomerase modulating agents, conditions in a patient. Polynucleotides of at least 25 consecutive nucleotides identical, or complementary to the RCHT sequence linked to hererologous transcriptional regulatory sequences, can be used for the gene therapy of human diseases.
                                                                                                                      RNA component; human; telomerase; polymerase chain reaction; recombinant production; synthesis; mutant; detection; mammalian; identification; modulating agent; neoplastic condition; transcriptional regulatory sequence; gene therapy; disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
0
                                                                                                                                                                                                                                                                                                                                                                                RNA component of mammalian telomerase, esp. human - useful in identifying e.g. candidate telomerase-modulating agents
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 73.3%; Score 22; DB 17; Length 26; Best Local Similarity 100.0%; Pred. No. 0.003; Matches 22; Conservative 0; Mismatches 0; Indels
                                                                                                  RNA component of human telomerase nested PCR primer R3c.
                                                                                                                                                                                                                                                                                                                                         Feng J, Funk W, Villeponteau B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                               Example 10; Page 82; 114pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 GCTCTAGAATGAACGGTGGAAG 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               S GCTCTAGAATGAACGGTGGAAG 26
                                      AAT10304 standard; DNA; 26 BP
                                                                                                                                                                                                                                                                  95US-0482115.
94US-0272102.
94US-0330123.
95US-0472802.
                                                                                                                                                                                                                                               95WO-US08530.
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                                                                             (first entry)
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                                                                                                                                                                                                                                                                                                                     (GERO-) GERON CORP.
                                                                                                                                                               PCR primer; 88.
                                                                                                                                                                                                       WO9601835-A1.
                                                                                                                                                                                                                                                                  07-JUN-1995;
07-JUL-1994;
27-OCT-1994;
07-JUN-1995;
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                                                                                                                                                                                                                                                                                                                                         Andrews WH,
                                                                               10-SEP-1996
                                                                                                                                                                                                                           25-JAN-1996
                                                                                                                                                                                    Synthetic
                                                          AAT10304;
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                  RESULT 10
AAT10304
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present sequence is a PCR primer for a RNA component of human telegorate (RCHT), antisense plasmid. RCHT was derived from a genomic DNA library obtd from the human lung fibroblast cell line W1-38. The RCHT can be used in the recombinant produ. of an active telomerase mol., capable of adding sequences to Chromosomal DNA telomerase, and in the synthesis of mutant sequences for the detection of mutant mammalian telomerase RNA component polynucleotides. The RCHT may also be used in the identification of telomerase modulating agents, and in the detection of telomerase related, or neoplasmic conditions in a patient.

Polynucleotides of at least 25 consecutive nucleotides identical, or complementary to the RCHT sequence linked to heterologous transcriptional regulatory sequences, can be used for the gene therapy of human diseases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
RNA component; human, telomerase; lung fibroblast; cell line WI-38; recombinant production; synthesis; mutant; detection; mammalian; didentification; maddlating agent; neoplastic condition; transcriptional regulacry sequence; gene therapy; disease; polymerase chain reaction; antisense plasmid; PCR primer; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Primer for production of telomerase antisense oligonucleotide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RNA component of mammalian telomerase, esp. human - useful in identifying e.g. candidate telomerase-modulating agents
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Match 73.3%; Score 22; DB 17; Length 26; Local Similarity 100.0%; Pred. No. 0.003; es 22; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Funk W, Villeponteau B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 8; Page 80; 114pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 GCTCTAGAATGAACGGTGGAAG 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAT11044 standard; DNA; 26 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    95US-0482115.
94US-0272102.
94US-0330123.
95US-0472802.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Andrews WH, Feng J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 1996-097581/10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GERO-) GERON CORP.
                                                                                                                                                                                                                                                                                       WO9601835-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      07-JUL-1994;
27-OCT-1994;
07-JUN-1995;
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Amplifying the human represents furth. The RNA and DNA can be used in hybridisation assays to detect or quantify telomerase activity in cells, tissue or fluid samples, e.g. for diagnosis of eukaryotic parasites (yeast and protozoa) or tumours. It is also useful as primers for amplification assays. The truncated or recombinant vertebrate telomerase is used therapeutically to increase telomerase activity (also as reagents in the screening assay) while the RNA or other inhibitors such as antisense molecules, are used to reduce such activity. Typical applications are initiation/restoration of activity to cause senescence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          directed against e.g. Trypanosoma should cause fewer side effects than drugs currently used to treat such infections. The DNA encodes those parts of hTR RNA essential for activity but are significantly shorter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             or to prevent immortalisation of cells in tumours or parasites. The DNN is also used to produce recombinant telomerase, which can then be used conventionally to raise antibodies for diagnostic detection of telomerase. Detecting telomerase allows early diagnosis of tumour or infection, before clinical signs manifest. Telomerase inhibitors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             hTR gene; TPC2; TPC3; telomere length; telomerase; human; cancer; gene therapy; diagnosis; PCR; primer; ss.
                                                                                                                                                     DNA encoding essential RNA components of human telomerase - also truncated or recombinant telomerase, useful for diagnosis and treatment of cancer and infection by eukaryotic parasites
                                                                                                                                                                                                                                                                                       3'-primer R3C used for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  73.3%; Score 22; DB 18; Length 26; 100.0%; Pred. No. 0.003; Artive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                         represents PCR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 GCTCTAGAATGAACGGTGGAAG 22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 than the endogenous RNA component.
                                                                                                                                                                                                                                             Example 5; Page 32; 48pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human hTR gene RT-PCR primer R3c.
                         (COLD-) COLD SPRING HARBOR LAB.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAV19489 standard; DNA; 26 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        96WO-US14679
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                22; Conservative
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                                                                  Greider C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1998-207373/18.
                                                                                                            WPI; 1997-099928/09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GERO-) GERON CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO9811204-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13-SEP-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13-SEP-1996;
                                                                  Autexier C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            19-MAR-1998.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAV19489;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
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AAV19489
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The RNA components of (non) human mammalian telomerase(s) especially from mouse, rat and chinese hamster are all claimed. Antisense oligonucleotides can be used to block the activity of the telomerase; probes and primers can be used in detection; vectors and host cells transformed with the isolated telomerase genes can be used for production of telomerases; RNA and DNA ribozymes and triplex forming oligonucleotides directed against the telomerase genes can be used therapeutically as can plasmids. A mouse which lacks the telomerase gene (also claimed) can be used for study of telomere regulation in vivo, and the role it plays in immortalisation. Three primers (AATI1040, AATI1043, AATI1044) were used to produce antisense oligonucleotides which were then used to produce antisense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAT11040 was used alongside both AAT11043 and
                                                                                                                                                                                                                                                                                                                                                                                                                                             RNA components of (non)human mammalian telomerase(s) - useful in studying cell senescence and immortalisation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Cancer; eukaryotic parasite; hTR; vertebrate telomerase; yeast; protozoa; tumour; antibody; polymerase chain reaction; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 73.3%; Score 22; DB 17; Length 26; Best Local Similarity 100.0%; Pred. No. 0.003; Matches 22; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                     Greider C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAT11044 to produce two different antisense molecules
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                Andrews WH, Avillon AA, Feng J, Funk W,
Marhuenda MA, Villeponteau B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human telomerase PCR 3'-primer R3C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 GCTCTAGAATGAACGGTGGAAG 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GCTCTAGAATGAACGGTGGAAG 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 8; Page 53; 85pp; English.
                                                                                                                                                                                                                                                                  SPRING HARBOR LAB
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94US-0272102.
94US-0330123.
95US-0387524.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            expression plasmids.
                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 1996-097428/10.
                                                                                                                                                                                                                                                                                       (GERO-) GERON CORP
                                                                                                                                                                                                                                                                (COLD-) COLD
                                                                                                                                                                          07-JUL-1994;
27-OCT-1994;
13-FEB-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO9640868-A1
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                       WO9601614-A2
                                                                                                            07-JUL-1995;
                                                                25-JAN-1996.
                                                                                                                                                     12-VIUL-1995
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RESULT 13 AAT58811

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Gaps

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            Human TPC2, TPC3 and TR genes - regulate telomere length or modulate telomerase activity
                                                                                                                                                                                                                                                             Gaps
                                                                             Primers R3c and F3b (see AAV19488) were designed for the PCR mapplification of the human telomerase hTR gene (see AAV19481). hTR mRNA levels were showed to correlate with telomerase activity levels in a variety or mortal and immortal cell lines. Methods of the invention allow detection and quantitation of TPC2 (see AAV1940), TPC3 (see AAV1940) and/or TPC2 gene products and can be used to detect immortal cells, especially telomerase positive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pure and recombinant human Telomerase Reverse Transcriptase and its variants - are useful in the diagnosis, prognosis and treatment of cell proliferation conditions especially cancer and ageing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; telomerase reverse transcriptase; hTRT; TRT; diagnosis; prognosis; eall proliferation; cancer; ageing; ribonucleoprotein; PCR primer; as.
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                                                                                                                                                                                                                               Query Match 73.3%; Score 22; DB 19; Length 26; Best Local Similarity 100.0%; Pred. No. 0.003; Matches 22; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Harley C,
                                                                                                                                                                                                       Sequence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 2; Page 218; 387pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Chapman KB,
Harley CB;
                                                     Disclosure; Page 49; 86pp; English.
                                                                                                                                                                                                                                                                                      1 GCTCTAGAATGAACGGTGGAAG 22
                                                                                                                                                                                                                                                                                                         5 GCTCTAGAATGAACGGTGGAAG 26
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       97US-0915503.
96US-0724643.
97US-0844419.
97US-0851843.
97US-0851843.
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97US-0912951
                                                                                                                                                                                                                                                                                                                                                                                 AAV17033 standard; DNA; 26
                                                                                                                                                                                                                                                                                                                                                                                                                                        13-AUG-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Telomerase PCR primer R3c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Andrews WH, Cech TR,
Morin GB, Nakamura T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 1998-171633/16.
                                                                                                                                                                             cancer cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic.
Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14-AUG-1997;
01-OCT-1996;
18-APR-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-OCT-1997;
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AAV17033
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cc which describes human telomerase reverse transcriptase (hTRT). The present invention also describes the following methods: (A) determining whether a test compound is a modulator of hTRT. by detecting the change in hTRT recombinant protein or polynucleotide, on administration of the compound; (B) preparation of recombinant telomerase RNA component; (C) compound; (B) preparation of the hTRT with a telomerase RNA component; (C) detection of the HTRT RNA or protein in a sample by binding a relevant complex tor amplification product with presence of complex or amplification product with presence of in the case of complex or amplification product with presence of in the sample; (C) and (D) increasing the proliferation of a vertebrate cell by increasing the proliferation of a vertebrate and (B) the use of an agent that causes an increase in c) increasing in the manufacture of medicament a medicament and inhibiting the ceffect of ageing or cancer. Inhibitors of telomerase activity. A protein preparation of hTRT can also be used in the new cc activity. A protein preparation of hTRT can also be used in the new cc methods.

XX Squence 26 BP; 7 A; 3 C; 9 G; 7 T; 0 other;

Query Match 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Best Local Similarity 100.0%; Pred, NO.0003;

Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 GCTCTAGAATGAAAGGAAGGAAG 26

Search completed: June 23, 2003, 05:43:38
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June 23, 2003, 01:05:28; Search time 197.701 Seconds (without alignments) 2502.502 Million cell updates/sec
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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                                                                                                                                                                                                                                       2054640 seqs, 14551402878 residues
                                                    OM nucleic - nucleic search, using sw model
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Gapop_60.0 , Gapext 60.0
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17
1 CGGCCAGCAGCTGACA 17
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em htg pln: *
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em sy: *
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em_pat:*
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em_mu:*
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em_or:*
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Perfect score:
Sequence:
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Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| · | AR063838 Sequence AX01956 Sequence A84595 Sequence AR079892 Sequence AR016058 Sequence AR075530 Sequence AX25551 Sequence AX205124 Sequence AX192804 Sequence | AK1922805 Sequence AX092789 Sequence AX079681 Sequence AR079681 Sequence AR079681 Sequence AR081211 Sequence AR081215 Sequence AR141990 Sequence AR141994 Sequence AR170571 Sequence AR170575 Sequence AR170575 Sequence AX170575 Sequence AX170575 Sequence AX170575 Sequence AX170575 Sequence AX170575 Sequence AX170575 Sequence | AR021242 Sequence AR033907 Sequence AR033907 Sequence AR18331 Sequence AX18331 Sequence AX353172 Sequence AX35172 Sequence AR086198 Sequence AR136692 Sequence AR13648 Sequence AR134928 Sequence AX139028 Sequence AX139028 Sequence AX139028 Sequence AX139028 Sequence | AR016064 Sequence AR075540 Sequence AX105072 Sequence AR06990 Sequence AX233628 Sequence AX233628 Sequence AX139595 Sequence BD002481 Gene comp AR11921 Sequence AR119977 Sequence | linear PAT 29-SEP-1999 and Weinrich, S.L. |
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| QI 1 | i | | AXO21242 AXO34106 AXO33400 AX139138 AX18331 AX365321 AX365122 AX335172 AX335172 AX136692 AX136692 AX1376764 AX1376764 | | 17 bp DNA tent US 5846723. 146 Kealey, J.T., Pruzan, R. ng the RNA component of A 14 08-DEC-1998; |
| Length DB | 1 | | | | from pi GI:599: to 17) Wu,F., detect: 846723 |
| % Query Match | | 6 | 1 | 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | R063838 |
| Result No. Score | 110 W 4 W 0 C 00 0 | 0108409789010 | 0000 | 3 3 3 3 3 3 4 4 4 4 5 5 5 5 5 5 5 5 5 5 | ARGG338 ACG5338 LOCUS BETINITION S ACCESSION A VERSION A KEYWORDS SOURCE ORGANISM U REFERENCE 1 AUTHORS K AUTHORS K AUTHORS FEATURES |

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Unknown.
Unklossified.
1 (bases 1 to 30)
Weinrich, S. L., Atkinson, E. M. III, Lichtsteiner, S. P., Vasserot, A. P., Pruzan, R.A. and Kealey, J. T.
Pruzan, R.A. and Kealey, J. T.
Purified telomerase
Patent: US 5965506-A 5 19-OCT-1999;
Location/Qualifiers
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3M Unknown.
Unclassified.
1.E 1 (bases 1 to 25)
3S Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H.
Assays for the DNA component of human telomerase
1AL Patent: US 5776679-A 26 07-JUL-1998;
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 3.5e+02; Matches 17; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 17; Conservative 0; Mismatches 0;
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Sequence 26 from patent US 5776679.
AR016058.1 GI:3972335
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KEITH WILLIAW NICOL (GB); CANCER RES CAMPAIGN TECH (GB)
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 17; Conservative 0; Mismatches 0; Indels
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/db_xref="taxon:32630"
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Sequence 20 from Patent W09938964.
AX019566 1 GI:10043480
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1 (bases 1 to 30)
Atkinson, E.M. and Kealey, J.T.
PURIFIED TELOMERASE
PARTENT FOR TELOMERASE
PARTENT (985450-A 5 15-OCT-1998;
GERON CORP (US)
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/organism="unidentified"
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884595.1 GI:6733511
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/organism="unknown"
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artificial sequences.
1 (bases 1 to 25)
Keith, W.N.
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1 (bases 1 to 18)

1 (bases 1 to 18)

2 (bases 1 to 18)

Wedwiggen, J., Stinchcomb, D. and Escobedo, J.

Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6146198-A 8292 12-FEB-2002;

Location/Qualifiers
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1 (bases 1 to 18)
Pavco,P., McSwiggen,J., Stinchcomb,D. and Escobedo,J.
Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6346398-A 8293 12-FEB-2002;
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1 (bases 1 to 17)

Brysch, W., Schlingensiepen, K.H. and Schlingensiepen, R.

A method for stimulating the immune system
Patent: WO 9963975-A 157 16-DEC-1999;
BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE); SCHLINGENSIEPEN KARL
HERMANN (DE); SCHLINGENSIEPEN REIMAR (DE)

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1 (Dases 1 to 25)
Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H.
Mammalian telomerase
Patent: US 5958680-A 27 28-SEP-1999;
Location/Qualifiers
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Patent: WO 0170982-A 52 27-SEP-2001;
Immusol Incorporated (US) ; Beger, Carmela (DE)
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100.0%; Pred. No. 3.4e+03;
tive 0; Mismatches 0;

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/organism="synthetic construct"
/db xref="taxon:32630"
/noTe="Primer"

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1 (bases 1 to 24)
Beger, C., Barber, J. and Wong-Staal, F.
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Seguence 157 from Patent W09963975.
AX009124
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Sequence 52 from Patent WO0170982
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PAT 31-AUG-2000
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                               Unknown.
Unclassified.

Unclassified.

In (bases 1 to 50)

Pavlakis,G.N. and Felber,B.K.

Pavlakis,G.O. and Pelber,B.K.

Patent: US 5955726-A 5 12-OCT-1999;

Patent: US 595726-A 5 12-OCT-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 (bases 1 to 50)
Pavlakis, G.N. and Felber, B.K.
Method of eliminating inhibitory/ instability regions of mRNA
Patent: US 5965726-A 9 12-OCT-1999;
Location/Qualifiers
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Unclassified.
1 (bases 1 to 50)
1 (bases 1 to 50)
Pavlakis,G.N. and Felber,B.K.
Nucleic acid constructs containing HIV genes with mutated inhibitory/instability regions and methods of using same Patent: US 5972566-A 5 26-OCT-1999;
Location/Qualifiers
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Sequence 9 from patent US 5965726.
AR079685.1 GI:10006426
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Sequence 5 from patent US 5972596.
AR081211 GI:10007937
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                                                          linear PAT 21-MAR-2001
                                                                                                                                              Homo sapiens
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 22)
1 Hayden, M.R., Brooks-Wilson, A.R., Pimstone, S.N. and Clee, S.M.
Compositions and methods for modulating hdl cholesterol and
triglyceride levels
Patent: WO 0115676-A 201 08-MAR-2001;
University of British Columbia (CA); Xenon Genetics Inc. (CA)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
1 (bases 1 to 47)
Strauch, K.
Hedgehog fusion proteins and uses
Patent: WO 0134654-A 73 17-MAY-2001;
BIOGEN, INC. (US)
Location/Qualifiers
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                                                  22 bp I Sequence 201 from Patent WO0115676. AX092789
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Sequence 73 from Patent W00134654.
AX146611.1 GI:14285004
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Sequence 5 from patent US 5965726.
AR079681. GI:10006422
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/db_xref="taxon:9606"
. 4 c 9 g 6
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/organism="Homo sapiens"
/db_xref="taxon:9606"
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Query Match
70.6%; Score 12; DB 6; Length 50;
Best Local Similarity 100.0%; Pred. No. 8.5e+04;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps

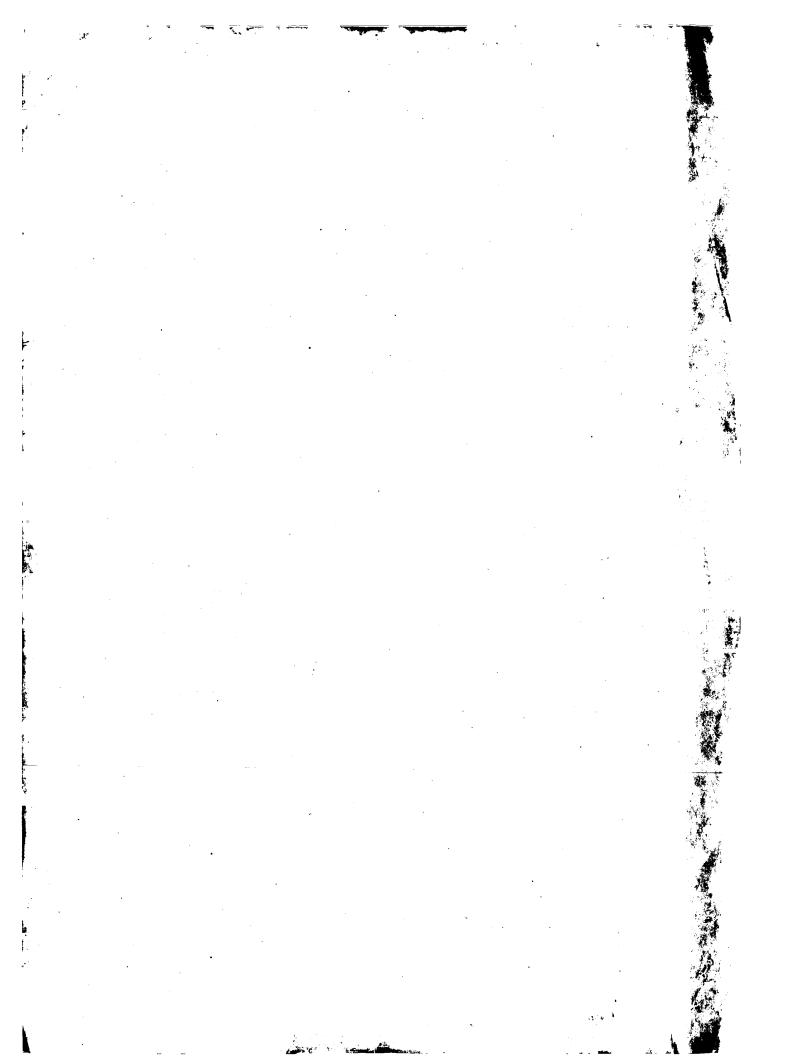
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6 CAGCAGCTGACA 17

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35 CAGCAGCTGACA 46

Search completed: June 23, 2003, 06:34:27 Job time: 200.163 secs



72, Appl 233, App 34, Appl 8, Appl 34, Appl 73, Appl 73, Appl 73, Appl 681, App

Sequence Sequence Sequence

Appl Appl Appl App App

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Sequence

Sequence

Sequence Sequence Sequence

Sequence Sequence Sequence Sequence

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Sequence 86, Application US/08859954

Patent No. 6003695

GENERAL INFORMATION:
APPLICANT: Hardin, Susan H.
APPLICANT: Hardin, Ramin
APPLICANT: Hardin, Paul B.
TITLE OF INVENTION: Gene Sequencing and Method Thereof
NUMBER OF SEQUENCES: 566
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fulbright & Jaworski L.L.P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: U.S.A.
ZIP: 77010-3095
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC compatible
OPERATING SYSTEM: PC-DOS/WS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
US-08-471-044-34
US-08-462-483A-34
US-08-471-0468-34
US-08-8-471-0468-34
US-08-55-684B-73
US-08-565-684B-682
US-08-585-684B-1815
US-08-585-684B-1815
US-08-585-684B-1815
US-08-774-310-23
US-09-289-750-8
US-09-289-750-8
US-09-289-750-8
US-09-300-529-34
US-09-038-073-681
US-09-038-073-681
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TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "oligonucleotide"
                                                                                                                                                                                                                                                                                                                    ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          E: Fulbright & Jaworski L.L.P.
1301 McKinney, Suite 5100
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/632,782
FILING DATE:
ATTORNEY/AGENT INFORMATION:
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TELECOMMUNICATION INFORMATION:
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TELEFAX: 713/651-5246
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 base pairs
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APPLICATION NUMBER: US
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Paul, Thomas D. REGISTRATION NUMBER:
    TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Houston
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US-08-859-954-86
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US-08-859-954-86
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39, Appl
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Sequence 93, Appl
Sequence 3, Appli
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/ cgn2_6/ptodata/2/ina/5A_COMB.seq:*
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/ cgn2_6/ptodata/2/ina/PcTUS_COMB.seq:*
                  GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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US-08-459-786-10
US-08-459-595A-49
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US-09-281-418-93
US-09-404-30-33
US-09-404-30-33
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US-08-312-747-4
US-08-312-747-12
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US-08-363-240A-610
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-08-311-760A-72
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Maximum Match 100%
Listing first 45 summaries
                                                                           OM nucleic - nucleic search, using sw model
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Gapop 10.0 , Gapext 1.0
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APPLICANT: Merlin, Ellis J.
APPLICANT: Launis, Karen L.
APPLICANT: Benesin, Seeven J.
APPLICANT: Benesin, Seeven J.
APPLICANT: Benesin, Seeven J.
APPLICANT: Bawson, John L.
APPLICANT: Dawson, John L.
APPLICANT: Dawson, John L.
APPLICANT: Dawson, John L.
APPLICANT: Bace, Gary M.
APPLICANT: British J.
APPLICANT: Bace, Gary M.
APPLICANT: British J.
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APPLICANT: Bace, Janet L.
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ACCORNEY, Janet L.
ACCORDANTON (1919) 541-6615
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ATCORNEY, Janet L.
ACCORDANTON (1919) 541-6615
TELEPONE, Bace, Janet L.
ACCORDANTON (1919) 541-6615
TELEPONE, Bace, Janet L.
ATCORNEY, Janet C. Lecond half, HYPOTHETICAL, ACCORDING COTHETICAL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 100.0%; Score 7; DB 1; Length 10; Best Local Similarity 100.0%; Pred. No. 1.1e+04; Matches 7; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-07-951-715A-49
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                                                                     Gaps
                                                                     .
0
                                                                                                                                                                                                                                                                                                                                                                                         PATENT NO. 5563036

GENERAL INFORMATION:
APPLICANT: Peterson, Michael G
APPLICANT: Baichwal, Vijay R
APPLICANT: STRUIOVICI, Berta
ITTLE OF INVENTION: TRANSCRIPTION FACTOR-DNA ASSAY
ITTLE OF INVENTION: TRANSCRIPTION & HERBERT
STRESSEB: FLERK, HOHBACH, TEST, ALBRITTON & HERBERT
COUNTRY: USA
ZITY: 94111-4187
COMPUTER READALE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: ISM FC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIN Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/08/235,503B
FILING DATE: 29-ARR-1994
CLASSIFICATION: Richard A
REGISTRATION INFORMATION:
NAME: OSGARM NUMBER: A-59332/RAO
TELEBONMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 7; DB 1; Length 10; 100.0%; Pred. No. 1.1e+04; Live 0; Mismatches 0; Indels
                                Best Local Similarity 100.0%; Pred. No. 3.6e+07; Matches 7; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                 US-08-235-503B-28
; Sequence 28, Application US/08235503B
; Patent No. 5563036
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: (415) 398-3249
TELEX: 910 277299
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  , MOLECULE TYPE: CDNA
US-08-235-5038-28
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RESULT 4
US-08-459-448A-49
; Sequence 49, Application US/08459448A
; Patent No. 5859336
; GENERAL INFORMATION:
; APPLICANT: Koaiel, Michael G.
; APPLICANT: Lewis, Nalini M.
; APPLICANT: Lewis, Kelly S.
```

; Sequence 49, Application US/07951715A; Patent No. 5625136; GENERAL INFORMATION:

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TITLE OF INVENTION: SYNTHETIC DNA SEQUENCE HAVING ENHANCED TITLE OF INVENTION: INSECTICIDAL ACTIVITY IN MAIZE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 7; DB 3; Length 10; 100.0%; Pred. No. 1.1e+04;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: No. 6018104artis Corporation
STREET: Patent & Trademark Dept., 520 White Plains
STREET: Rd., POB 2005
CITY: Tarrytown
                MEDIUM TYPE: Diskette, 3 1/2 diskette, 1.44 MB COMPUTER: IBM DC COMPATIDE OPERATING SYSTEM: MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                          SOPTWARE: Wordperfect 8.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/899,786
                                                                                                                                                    FILING DATE:
CLASSIFICATION 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/022,611
FILING DATE: 26-ULX-196
ATTORNEY/AGENT INFORMATION:
NAME: BATY J. SWAMSON
REGISTRATION UNMBER: 33,215
REFERENCE/DOCKET NUMBER: UNI 07
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 49, Application US/08459595A
Patent No. 6018104
GENERAL INFORMATION:
APPLICANT: Koziel, Michael G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Rothstein, Steven J.
Bowman, Cindy G.
Dawson, John L.
Dunder, Erik M.
Pace, Gary M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Crossland, Lyle D
Wright, Martha S.
Merlin, Ellis J.
                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: (303) 793-3333
TELEFAX: (303) 793-3433
INFORMATION FOR SEO ID NO: 10
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Suttie, Janet L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Karen L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 10 base pairs
TYPE: nucleic acid
      COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 60181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Tarrycom.
STATE: New York
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
Matches 7; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10591-9005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 6
US-08-459-595A-49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-899-786-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ઠ
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                                                            APPLICANT: Pace, Gary M.
APPLICANT: Suttie, Janet L.
TITLE OF INVENTION: SYNTHETIC DNA SEQUENCE HAVING ENHANCED
TITLE OF INVENTION: INSECTICIDAL ACTIVITY IN MAIZE
NUMBER OF SEQUENCES: 94
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 5
US-08-999-786-10/C
US-08-999-786-10/C
Squence 10, Application US/08899786
Fatent No. 6001572
GENERAL INFORMATION:
APPLICANT: Toothman, Penelope
TITLE OF INVENTION:
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESSS:
ADDRESSEE: Sanson & Bratechun, L.L.C.
STREET: 8400 B. Prentice Avenue, Suite 200
STATE: Colorado
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 100.0%; Score 7; DB 2; Length 10; Best Local Similarity 100.0%; Pred. No. 1.1e+04; Matches 7; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                           STATE: New YOLK
COUNTRY: USA
ZIP: 10591-9005
ZIP: 10591-9005
COMPUTER READABLE FORM:
MEDIUM TYBE: PLODRY disk
COMPUTER: IBM PC COMPATIBLE
CONFUTER: IBM PC COMPATIBLE
CONFUTER: DEALTIN Release #1.0, Version #1.30
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US 07/951,715
FILING DATE: 25-SEP-1992
PRION APPLICATION DATA:
APPLICATION NUMBER: US 07/772,027
FILING DATE: 04-OCT-1991
ATTORNEY/AGENT INFORMATION:
REGISTRATION NUMBER: 40403
REFERENCE/DOCKET NUMBER: 40403
REFERENCE/DOCKET NUMBER: QCC 1577/CIP/DIV4
TELEPHONE: Q319)541-8689
INFORMATION FOR SEQ 1D NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
INFORMATION LO base pairs
TYPE: uncleic acid
STRANDEDNESS: single
                                                                                                                                                                                                ADDRESSEE: No. 5859136artis Corporation
STREET: Patent & Trademark Dept., 520 White Plains
STREET: Rd., POB 2005
CITY: Tarrytown
STATE: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "primer C1 - second half"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
Bowman, Cindy G.
Dawson, John L.
Dunder, Erik M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; HYPOTHETICAL: NO US-08-459-448A-49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 80111
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ADDRESSEE: No. 6121014artis Agribusiness Biotechnology Research, Inc. STREET: 3054 Cornwallis Road
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Walrew, Cephen V.

Evola, Stephen V.

Crossland, Lyle D.

Wright, Martha S.

Werlin, Blis J.

Launis, Karen L.

Inunis, Karen L.

TITLE OF INVENTION: METHOD FOR PRODUCING A PLANT-OPTIMIZED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY: ...
ZIP: 27709
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC Compatible
COMPUTER: SIM FC COMPATIBLE
COMPUTER: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATION DATA: ... / ng/459,444A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
                                                                    PAPLICATION NUMBER: US/08/459,504B
FILING DATE:
CLASSIFICATION DATA:
PRIOR APPLICATION NUMBER: US 08/459,595
FILING DATE: 02-010N-1995
FILING DATE: 02-010N-1995
FILING DATE: 02-000-1991
APPLICATION NUMBER: US 07/712,027
FILING DATE: 04-000-1991
ATTORNEY AGRENT INFORMATION:
NAME: Weigs, J. Timothy
REGISTRATION NUMBER: CGC1577/CIP/DIV
REGISTRATION NUMBER: GG19/1991
ATTORNEY AGRENT INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELERAX: (919)541-669
INFORMATION FOR SEQ ID NO: 58QUENCE CHARACTERISTICS:
LLENGTH: 10 Dass pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear ci- acid
DESCRIPTION: /desc = "primer Ci - second half"
HYPOTHETICAL: NO
US-08-459-504B-49
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,504B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ouery Match
100.0%; Score 7; DB 3; Le
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 7; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: Research Triangle Park
STATE: NC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: EXAMEN, MARCHEN J.
APPLICANT: Bowman, Clindy G.
APPLICANT: Bowman, Clindy G.
APPLICANT: Bowman, John L.
APPLICANT: Dawson, John L.
APPLICANT: Dunder, Erik M.
APPLICANT: Pace, Gary M.
APPLICANT: Bace, Gary M.
APPLICANT: Sutite, Janet L.
TITLE OF INVENTION: SYNTHETIC DNA SEQUENCE HAVING ENHANCED TITLE OF INVENTION: INSECTICIDAL ACTIVITY IN MAIZE NUMBER OF SEQUENCES: 94
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 6075185artis Corporation
STREET: 3054 Cornwallis Road
CITY: Recearch Triangle Park
STATE: NC
COMPITE: NC
COMPITE: READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
  SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ### INCLEDE ACIA
### STRANDEDNESS: single
### TOPOLOGY: linear glas
### MOLECULE TYPE: other nucleic acid
### DESCRIPTION: /desc = "primer Cl - second half"
### POTHETICAL: NO
### 105-08-459-555A-49
                                                                                FILING DATE: 02-JUN-1995
CLASSIPFCATION: 800
PRIOR APPLICATION DATA.
APPLICATION NUMBER: US 07/951,715
FILING DATE: 25-SEP-1992
PRIOR APPLICATION DATA.
APPLICATION NUMBER: US 07/772,027
FILING DATE: 04-OCT-1991
ATTORNEY AGENT INFORMATION:
NAME: Pace, Gary W.
REGISTAATION NUMBER: 40403
REFERENCE/DOCKET NUMBER: CGC 1577/CIP/DIV3
TELEPHONE: (919)541-8582
TELEFAX: (919)541-8689
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
100.0%; Score 7; DB 3; I
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 7; Conservative 0; Mismatches 0;
                                               ION NUMBER: US/08/459,595A
ATE: 02-JUN-1995
CATION: 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Koziel, Michael G
                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE: (3-2) 3-1 - 0-0-0
TELEPAX: (919) 541-6669
INPORMATION FOR SEQ ID NO: 4
SEQUENCE CHRACTERISTICS:
LENGTH: 10 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          us: single
linear
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NUMBER OF SEQUENCES: 94

CORRESPONDENCE ADDRESS:
ADDRESSE: No. 6320100artis Agribusiness Biotechnology Research, Inc.
STREET: 3054 Cornwallis Road
CITY: Research Triangle Park
STATE: NC
COUNTRY: USA
                                                                                                                                                                  Launis, Karen L.
TITLE OF INVENTION: SYNTHETIC DNA SEQUENCE HAVING ENHANCED INSECTICIDAL ACTIVITY IN MAIZE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 28, Application PC/TUS9505265
GENERAL INFORMATION:
APPLICANT: TULARIK, INC.
TITLE OF INVENTION: TRANSCRIPTION FACTOR-DNA BINDING ASSAY
NUMBER OF SEQUENCES: 74
CORRESPONDENCE ADDRESS:
CARRESPONDENCE ADDRESS:
STREET: 4 Embarcadero Center, Suite 3400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 100.0%; Score 7; DB 4; Length 10; Best Local Similarity 100.0%; Pred. No. 1.1e+04; Matches 7; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patenten Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/547,422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "primer C1 - second half"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: 11-Apr-2000
CLASSIFICATION: «Unknown»
PRIOR APPLICATION NUMBER: US 08/459,595
FILING DATE: 02-UN-1995
APPLICATION NUMBER: US 07/951,715
FILING DATE: 25-SEP-1992
APPLICATION NUMBER: US 07/772,027
APPLICATION NUMBER: US 07/772,027
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Meigs, J. Timothy REGISTRATION NUMBER: 38,241 REFERENCE/DOCKET NUMBER: S-18805H TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE DESCRIPTION: SEQ ID NO: 49:
                                                                                               Crossiand, Lyle D.
Wright, Martha S.
Merlin, Ellis J.
Launis, Karen L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: (919)541-8587
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: (919)541-8689 INFORMATION FOR SEQ ID NO: 49:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 10 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: San Francisco
                                                                          Evola,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 11
PCT-US95-05265-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-547-422-49
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APPLICANT: Bjorkesten, Lennart
Batent No. 6260034
FILE REPERBNCE: 45687-00004
CURRENT APPLICATION NUMBER: 0509424,518
CURRENT PILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: 9702008-5
PRIOR APPLICATION NUMBER: 9702008-5
PRIOR APPLICATION NUMBER: 9702008-5
PRIOR APPLICATION NUMBER: 1997-05-28
NUMBER OF SEQ ID NOS: 1
SOFTWARE: Patentin version 3.0
SEQ ID NO 1
LENGTH: 10
                               PRIOR AFFLICATION DAIRS:

PRIOR AFFLICATION UNBER: US 07/951,715

FILING DATE: 25-SEP-1992

APPLICATION NUMBER: US 07/772,027

PILING DAIE: 04-0CT-1991

ATTORNEY/AGENT INFORMATION:

NAME: Meigs, J. Timothy

REGISTRATION NUMBER: 38,441

REFERENCE/COCKET NUMBER: S-18805/P1/CGC1577/CIP/DIV6

TELEPHOME: (919)541-8689

INFORMATION FOR SEQ ID NO: 49:

SEQUENCE CHARACTERISTICS:

LENGTH: 10 base pairs

TYPE: nucleic acid

STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match

100.0%; Score 7; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 7; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "primer Cl - second half"
HYPOTHELICAL: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 49:
<Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 49, Application US/09547422
Patent No. 6320100
GENERAL INFORMATION:
APPLICANT: Koziel, Michael G.
Desai, Nalini M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 1, Application US/09424518
Patent No. 6260034
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Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-424-518-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    -09-424-518-1/c
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APPLICANT: NIWA, MINEO
APPLICANT: SAITO, YOSHIMASA
APPLICANT: SAITO, YOSHIMASA
APPLICANT: SASAKI, HITOSHI
APPLICANT: HAYASHI, MASAKO
APPLICANT: NOTANI, JOUJI
APPLICANT: KOBAYASHI, MASAKAZU
TITLE OF INVENTION: TISSUE PLASMINOGEN ACTIVATOR
NUMBER OP SEQUENCES: 67
CORRESPONDENCE ADDRESS:
ADDRESSEE: P.C.
ADDRESSEE: P.C.
ADDRESSEE: P.C.
ADDRESSEE: P.C.
ADDRESSEE: P.C.
ADDRESSEE: P.C.
ATLINGTON
ANDRESSEE: ADDRESS: ADBRESS: ADBRESSE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, CONTRACTOR ADDRESSEE: P.C.
ADDRESSEE: P.C.
ADDRESSEE: P.C.
ADDRESSEE: P.C.
ADBRESSEE: P.C.
ADBRESS
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SOFTWARE: PARABLE
SOFTWARE: PARABLE
APPLICATION DATA:
APPLICATION NUMERS: US/08/811,949
FILING DATE: 05-MAR.1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: OBLON, NORWAN F:
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 18-966-0
TELECOMMUNICATION INFORMATION:
TELECPHONE: 703-413-3000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 100.0%; Score 7; DB 1; Best Local Similarity 100.0%; Pred. No. 1.18+C Matches 7; Conservative 0; Mismatches
                                                                                    PILING DATE: 19-JUL-1984
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
PILING DATE: 18-SEP-1981
ATTONREY (AGRAT INFORMATION:
NAME: Johnston, Sean A.
REGISTRATION NUMBER: P35,910
REBFERRECE/DOCKET NUMBER: 46C4
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION:
TELECOMMUNI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: USA
TIP: 22202
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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Patent No. 5840533
GENERAL INFORMATION:
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STRANDEDNESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TOPOLOGY:
US-08-093-383-16
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GENERAL INFORMATION:
APPLICANT: DeBoer Herman A.
APPLICANT: Beburg, Peter H.
TITLE OF INVENTION:
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Generatech, Inc.
STREET: 460 Point San Bruno Blvd
CTITY: South San Francisco
STATE: California
COUNTRY: USA
CONTRY: USA
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch; 360 Kb floppy disk
COMPUTER: IBM FC compatible
COMPUTER: Datin (Generatech)
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                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA
APPLICATION NUMBER: PCT/US95/05265
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: FLIIOSS/COSSI
CLASSIFICATIONS
PRICA APPLICATION NUMBER: US 08/235,503
APPLICATION NUMBER: US 08/235,503
FILING DATE: 29-APPL1994
ATTORNEY/AGENT INFORMATION:
NAME: OSMEM: RICHER A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: FP-59232-PC/RAO
TELEPHONE: (415) 781-1989
                                       ZIP: 94111-4187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Palace
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Patent No. 5489529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFACE (415) 398-3249
TELEFA: (415) 398-3249
TELEX: 910 277299
INFORMATION FOR SEQ ID NO: 28: SEQUENCE CHARACTERISTICS: LENGTH: 10 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.0%;
Matches 7; Conservative
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STRANDEDNESS: single
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HOLECULE TYPE: CDNA
PCT-US95-05265-28
California
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US-08-093-383-16
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Gaps

0; Indels

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100.0%; Pred. No. 1.1e+04; tive 0; Mismatches 0;
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                               7; Conservative
  Best Local Similarity
Matches 7; Conserva
                                                                                                                           GCTTCAG 11
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Patent No. 6287769

GREEAL INFORMATION:
APPLICANT: Inoue, Takakazu
APPLICANT: Inoue, Takakazu
TITLE OF INVENTION: Method of Amplifying DNA Fragment, Apparatus for Amplifying DNA FITLE OF INVENTION: insens and Method of Assaying Microorganisms, Method of Analyzing Mi FILE OF INVENTION: insens and Method of Assaying Contaminant
FILE OF INVENTION: 1998-7
CURRENT FILING DATE: 1999-03-10
EARLIER PELING DATE: 1999-03-30
EARLIER FILING DATE: 1998-03-31
EARLIER PILING DATE: 1999-03-16
EARLIER PILING DATE: 1999-03-16
EARLIER PILING DATE: 1999-03-16
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; OTHER INFORMATION: Description of Artificial Sequence: No. 6350853el Sequence
US-09-404-430-3
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APPLICANT: Knudsen, Helle
TITLE OF INVENTION: Conjugated Peptide Nucleic Acids Having Enhanced
TITLE OF INVENTION: Conjugated Peptide Nucleic Acids Having Enhanced
TITLE OF INVENTION: Collular Uptake
FILE REFERENCE: ISIS4181
CURRENT APPLICATION NUMBER: US/09/404,430
CURRENT PILLING DATE: 1999-09-23
PRIOR APPLICATION NUMBER: US08/564,765
PRIOR FILING DATE: 1998-05-28
NUMBER OF SEQ ID NOS: 5
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 3
                                                                                                                                                                                ;
                                                                                                                      Query Match

100.0%; Score 7; DB 2; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.1e+04;
Matches 7; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 100.0%; Score 7; DB 4; Length 12; Best Local Similarity 100.0%; Pred. No. 1.1e+04; Matches 7; Conservative 0; Mismatches 0; Indels
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; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "SYNTHETIC OLIGONUCLEOTIDE"
US-08-811-949-9-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 3, Application US/09404430 Patent No. 6350853
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA ORGANISM: Artificial Sequence
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CTHER INFORMATION: Primer
US-09-281-418-93
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US-09-281-418-93
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US-09-404-430-3
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LENGTH: 12
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AZG56638 IM0552NI5
BH864835 SALK 0969
AL1764630 Arabidops
AL104094 ort50e03.s
A1126669 qc52c04.x
A1345598 qp5106.x
AUD59365 AUD59465
BM007283 603615061
AZG28881 IM0481A19
BE547551 601075188
BM051667 603638419
AZB26678 ZM0102P06
AV834163 AV834463
AZ785987 ZM0021P23
AZ785987 ZM0021P23
AZ785987 ZM0021P23
AZ785987 ZM0021P23
AZ785987 ZM0021P23
AZ785987 ZM0021P23
AZ785987 ZM0030G18
AV852639 AV852639
AW952639 GC2241432
BG533623 GC2241432
BG533623 GC2241432
                                                                                                                                                                                                                                                                                                                                                                        AZ807688 ZM0070N07
BH864764 SALK 0968
AL472216 T. brucei
AZ471193 1M0285J12
BI76688 603053118
AZ78319 2M035N17
AL472752 T. brucei
AI024153 ov73b09.s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AZ621656 19-DNA linear GSS 13-DEC-2000 1M0455C01F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0455C01 F, DNA sequence.
                                  AZ592130 1M0402J17
AZ603080 1M0422J09
T99092 ye67f08.81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus. 1 (bases 1 to 19)
Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A1079739 oy55f02.s
AA228354 nc39c12.r
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tel: 801 585 5606
Fax: 801 585 7177
Baail: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Contact: Robert B. Weiss
University of Utah
University of Utah
Rm. 108, Biomedical Polymers Rese
                                                                                                                                                                                                                                                                                                                                                                          AZ807688
BH864764
TA163C01P
TA9H02P
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AI024153
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AW698792
BF973182
BG536263
W47928
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AV834163
BJ076555
AZ781782
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AI004044
AI126669
AI346598
AU259365
BM007283
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84112, USA
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KEYWORDS
SOURCE
ORGANISM
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DEFINITION
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AUTHORS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   JOURNAL
COMMENT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ACCESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 1
AZ621656
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE
                                                                                                                                                                                                                                                                                                                                                    00000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AZ621656 1M0455C01
AZ858978 2M0164F24
AU357776 AU257776
BM399457 5009-0-57
AZ310966 1M0026K08
H84968 Y889C08.rl
                                                                                     June 23, 2003, 04:47:09 ; Search time 360.904 Seconds (without alignments) 314.123 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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           5.1.6
Compugen Ltd.
                                                                                                                                                                                                                                       16154066 segs, 8097743376 residues
                                                                                                                                                                                                                                                                                        Total number of hits satisfying chosen parameters:
           GenCore version
Copyright (c) 1993 - 2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SUMMARIES
                                                                                                                                                                                                                                                                                                                                                            summaries
                                                             nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AZ621656
AZ858978
AU257776
BM399457
AZ310966
H84968
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Gapop_60.0 , Gapext 60.0
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em_gss_i
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Maximum DB seq length: 50
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Perfect score:
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house mouse.

ISM Mus musculus

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Rodentia; Sciurognathi; Murinae; Mus.

JCB 1 (basea 1 to 25)

S Kato, K. and Matobba, R.

E Generation of expressed sequence tags from mouse brain

Conteact: Kithya Rato

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8916-5 Takayama, Ikoma, Nara 630-0101, Japan

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Fax: Bat-nara.ac.jp,

URL:http://love2.aist-nara.ac.jp/

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URE:http://love2.aist-nara.ac.jp/

URES

Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 2.9e+05;
Matches 7; Conservative 0; Mismatches 0; Indels
    Plate: 0164 row: F column: 24
Seg primer: CGTTGTAAACGACGCCAGT
Class: plasmid ends
High quality sequence stop: 19.
Location/Qualifiers
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/db_xref="taxon:10090"
/olone="BED0011369"
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AU257776/c
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;

Bukaryota; Metazoa; Chordata; Sciurognathi; Muridae; Murinae; Mus.

1 (bases 1 to 19)

1 (bases 1 to 19)

2 Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,

1 slam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly

3 M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.,

Mouse whole genome scaffolding with paired end reads from 10kb

plasmid inserts

Unpublished (2000)

L. Contact: Robert B. Weiss

University of Utah Genome Center

University of Utah

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
                                                                                                                                                                                                                                                                                                                                              /clone lib="Mouse lokb plasmid UUGCIM library"
/clone lib="Mouse lokb plasmid UUGCIM library"
/clone lib="Mouse lokb plasmid UUGCIM library"
/lab_host="E. Coli strain Xilo-Gold, TI-resistant, F-"
/noce="Wector: PWD42nv; Purified genomic DNA from M.
musculus C57Bi/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resources/documents/dnares/). The DNA
was hydrodynamically Abeared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynuclectide kinase. Adaptor oligonuclectides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of pWD42 (gil4732114|gb|AF129072.1), a copy-umber
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptored mouse DNA was annealed to
adaptored vector DNA, and transformed into
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicilli resistance."
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Gaps
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Insert Length: 10000 Std Error: 0.00
Plate: 0455 row: C column: 01
Seg primer: CGTTGTAAACGACGGCCAGT
Class: plasmid ends
High quality sequence stop: 19.
Location/Qualifiers
                                                                                                                                                                                                                                                       /strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0455C01"
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AZ858978.1 GI:13052726
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Fax: 801 585 7177
Email: ddunn@denet
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9 GCTTCAG 15
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ORGANISM

REFERENCE AUTHORS TITLE

COMMENT

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(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymuclectide kinase. Adaptor oligonuclectides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMAP2 (gql #472114[gb]AP129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to chemically-competent E. coli Xillo-Gold (Stratagene) cells and selected for ampicillin resistance."
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Dumn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
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                                                                                                                                           plasmid inserts

Unpublished (2000)

Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah

Rm. 308, Blomedical Polymers Research Bldg., 20 S. 2030 E., SLC, 84112, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /lab_host="E. Coli strain XLIO-Gold, Tl-resistant, F-"
/note="Vector: Putified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27 bp mRNA linear EST 14-NON Y889C08.r1 Soares retina N2b5HR Homo sapiens cDNA clone IMAGE:221966 5' similar to gb|M73048|HUMU3AAAA Human U3 small nuclear RNA (rRNA); mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        'clone_lib="Mouse 10kb plasmid UUGC1M library"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 7; DB 17; Length 25; 100.0%; Pred. No. 3.38+05; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                           Email: ddurn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0026 row: K column: 08
Seq primer: GGTGTAAAACGACGCCAGT
Class: plasmid ends
High quality sequence stop: 25.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /organism="Mus musculus"
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/clone="UUGC1M0026K08"
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                                                                                                                                                                                                                                                                                                                Tel: 801 585 5606
Fax: 801 585 7177
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Best Local Similarity
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S Turkewitz,A.P., Karrer,K.M., Jahn,C., Orias,E., Kirk,K.E., Frankel J. and Klobutcher,L.

EST from Tetrahymena thermophila, strain CU428.1, growing cells
Unpublished (2002)
Contact: Turkewitz AP
Molecular Genetics and Cell Biology
University of Chicago
920 E. 58th Street, Chicago, IL 60637, USA
Tel: 773 702 4374
Fax: 773 702 3172
Email: apturkew@midway.uchicago.edu
Seq primer: T3:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /Grysun.wr.d.25.1"
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/db_xref="taxon:5911"
/dclone lib="Chilcoat/Turkewitz cDNA (large fraction)"
/dclone lib="Chilcoat/Turkewitz cDNA (large fraction)"
/note="Vector: BlueScript2 SK+; Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1M0026KO8F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0026KO8 F, DNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus
                                                                                                                                                                                                Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                   5009-0-57-H06.t.2 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
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Eukaryota, Alveolata, Ciliophora, Oligohymenophorea,
Hymenostomatida, Tetrahymenina, Tetrahymena.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 7; DB 13; Length 25; 100.0%; Pred. No. 3.3e+05;
                                                                                                                                              100.0%; Score 7; DB 9; Length 25; 100.0%; Pred. No. 3.3e+05;
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                                                                                                                                                                                                                                                                                                                                                                                                                    linear
                                                                                                                                                                                           0; Indels
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                                                                                                                                                                                             0; Mismatches
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Tetrahymena thermophila
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Best Local Similarity 100...
7; Conservative
                                                                                                                                                                    Best_Local Similarity 100.
Matches 7; Conservative
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Mus musculus
                                                                                                                                                                                                                                                                                     SCTTCAG 16
                                                                                                                                                                                                                                          1 GCTTCAG 7
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                                                                                                                                              Query Match
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Gaps ö

VERSION KEYWORDS SOURCE ORGANISM

DEFINITION

RESULT 5 AZ310966

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ACCESSION

BASE COUNT ORIGIN

FEATURES

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/lab host="E. Coli strain XL10-Gold, T1-resistant, F-"
//lab host="E. Coli strain XL10-Gold, T1-resistant, F-"
//note="Vector: PWD42ny; Purified genomic DNA from M.
musculus C57BL/61 (male) was obtained from the Jackson
Laboratory Mouse DNA Resources documents/dnares). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orified at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polymusleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agaxose gel
electrophoresis. Vector DNA was prepared from a derivative
of pWD42 (gil4722114|gb|AP129072:1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptored mouse DNA was annealed to
adaptored vector DNA, and transformed into
chemically-competent E. coli X110-Gold (Stratagene) cells
and selected for ampicillin resistance."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               T. brucer sheared genomic DNA linear GSS 13-DEC-2000 genomic BNA clone 80d02, forward sequence, AL461425 Hard 111860707 GSS 13-DEC-2000 GSS 13-DEC-2000 GSSS.
  Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R. Stokes, R., Tingey, A., von Niederhausern, A. Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts Unierral C2000 Contact: Robert B. Weiss University of Utah Genome Center University of Utah Genome Center University of Utah
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Trypanosoma brucei.
Trypanosoma brucei
Eukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /organism="Mus musculus"
/strain="C57B/6J"
/strain="C57B/6J"
/clone="UUGC1M0040B04"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
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11(bases 1 to 27)
Hall,N., Bowman,S., Lennard,N.J., Doggett,J., Atkin,R.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 100.0%; Score 7; DB 17; Length 27; Best Local Similarity 100.0%; Pred. No. 3.4e+05; Matches 7; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0040 row: B column: 04
Seg primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
                                                                                                                                                                                                                                                                                                                                                                                                                                                           High quality sequence stop: 27.
Location/Qualifiers
                                                                                                                                                                                                                                                                             Tel: 001 585 5606
Fax: 801 585 7177
Email: ddunn@genet
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 GCTTCAG 7
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TA80D02P/c
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ORIGIN
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AUTHORS
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.

(bases 1 to 27)

Hillar, L., Clark, N., Dubuque, T., Elliston, K., Hawkins, M., Holman, M., Hultman, M., Kucaba, T., Le, M., Lennon, G., Marra, M., Parsons, J., Rifkin, L., Rohlfing, T., Soares, M., Tan, P., Trevaskis, E., Waterston, R., Williamson, A., Wohldmann, P. and Wilson, R.

The WashU-Merck EST Project
Unpublished (1995)
                                                                                                                                                                                                        Concact: Wilson RK
Washington University School of Medicine
Mashington University School of Medicine
444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1810
Email: est@wastson.wustl.edu
High quality sequence starts: 1
High quality sequence starts: 1
High quality sequence stops: 1
This clone is available royalty-free through LLNL; contact the
TMAGE Consortium, (Info@image.Ilml.gov) for further information.
Trace considered overall poor quality
Insert Length: 308 Std Error: 0.00
Seg primer: MISPD
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Eukaryots, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
1 (bases 1 to 27)
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Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /organism="Homo sapiens"
(db_xref="GDB:3850727"
(db_xref="taxon:9506"
(clone="IMAGE:221966"
(clone="IMAGE:221966"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            High quality sequence stop: 1.
Location/Qualifiers
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AZ320101.1 GI:10371541
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 GCTTCAG 7
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VERSION
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AZ320101
LOCUS
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Contact: Robert B. Weiss
University of Utah
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
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                                                                                                   Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. L (bases 1 to 28)

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.

Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note="Vector: PWD42nv; Purified genomic DNA from M.musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
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0
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/strain="C57BL/6J"
/db xref="taxon:10090"
/clone="UUGC1M0402J17"
/clone lib="Mouse lokb plasmid UUGCIM library"
                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 7; DB 9; Length 28; 100.0%; Pred. No. 3.5e+05; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0402 row: J column: 17
Seg primer: CACACAGGAAACAGCTATGACC
                   organism="Mus musculus"
                                    | Btrain="C57BL/6 x CBA"
| db_xref="taxon:10090"
| clone="IMAGE:551824"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 High quality sequence stop: 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Unpublished (2000)
                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
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Fax: 801 585 7177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1. .28
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Chillingworth, C., Ormond, D., Harris, B., El-Sayed, N., Hou, L.,
Melville, S.E., Rajandream, M.A. and Barrell, B.G.
Direct Submission
Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing
project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton,
Cambridge CB10 1SA, E-mail: barrell@sanger.ac.uk and
nlu@sanger.ac.uk
Constructed at the Institute for Genomic Research (TIGR),
Rockville, MD. Genomic DNA isolated from a cloned population of
Trypanosoma brucei (TRED927/4 GUTat 10.1) was mechanically sheared
to give a tight size distribution (4 kb). The v + i method used for the library construction is
described in detail in Smith, H. and Venter, J.C. (Making small
insert libraries for whole genome shotgun sequencing projects.
Genome Sequencing: A Practical Approach, eds. M. Vaudin and B.
Barrell, Oxford University Press, 1999).
Email: nelsayedetign.org

at http://www.sanger.ac.uk/Projects/T_brucei/.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EST 09-MAR-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A1429345 Tratagene mouse lung 937302 Mus musculus cDNA clone IMAGE:551824 3' similar to TR:015157 015157 DOLICHOL MONOPHOSPHATE MANNOSE SYNTHASE;, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 (Dases 1 to 28)
Marra,M., Hillier,L., Kucaba,T., Martin,J., Beck,C., Wylie,T.,
Underwood,K., Steptoe,M., Theising,B., Allen,M., Bowers,Y., Person,B., Swaller,T., Gibbons,M., Pape,D., Harvey,N., Schurk,R., Ritter,K., Kohn,S., Shin,T., Jackson,Y., Cardenas,M., McCann,R.,
Waterston,R. and Wilson,R.
The WashU-NCI Mouse EST Project 1999
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information. This clone was previously sequenced on the 5' end only, this new data is from the 3' end

Trace considered overall poor quality
Possible reversed clone: similarity on wrong strand
High quality sequence stop: 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108, USA
Tel: 314 286 1800
Exat: 314 286 1810
Exat: mouseest@watson.wustl.edu
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100.0%; Pred. No. 3.4e+05;
iive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /strain="TREU927"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /clone="80d02"
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The 7; Conservative
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23 GCTTCAG 17
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was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymuclacotide kinase. Adaptor oligonuclacotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoreseis. Vector DNA was prepared from a derivative of pwna2 (gi|472114|gb|RP129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli Xi10-Gold (Stratagene) cells and selected for ampicilin resistance."
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L. Unpublished (2000)

Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah Genome Center
University of Utah Research Bldg.; 20 S. 2030 E., SLC, UT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          28 bp DNA linear GSS 13-DEC-2000 close TOCH MUS MUSCUlus genomic clone UUGCIM0422709 F, DNA sequence. AZ603080.1 GI:11725270 GSS.
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/sex="Maile"
/lab host="E. Coli strain XL10-Gold, T1-resistant, F-"
/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/G1 (male) was obtained from the Jackson
Laboratory Wouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
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Fax: 801 585 71.
Fax: 101 585 71.
Email: ddunn@genetics.utah.edu
Insert Length: 10000 5td Error: 0.00
Flate: 0422 row: J column: 09
Seq primer: CGTTGTAAAAGAGGGCAGT
Class: plasmid ends
High quality sequence stop: 28.
Location/Qualifiers
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strain="C57BL/6J"
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/clone="UJGC1M0422J09"
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Mus musculus
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13 GCTTCAG 7
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84112, USA
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AZ603080/c
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Home sapiens

Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 30)

2 Hillari, Clark, N. Dubuque, T., Elliston, K., Hawkins, M., Holman, M., Hultman, M., Kocaba, T., Le, M., Lennon, G., Marra, M., Holman, M., Kucaba, T., Le, M., Lennon, G., Marra, M., Holman, M., Kucaba, T., Le, M., Tan, F., Trevaskis, E., Waterston, R. ifkin, L., Rohlfing, T., Soares, M., Tan, F., Trevaskis, E., Waterston, R., Williamson, A., Wohldmann, P. and Wilson, R.

The Washington University School of Medicine

A144 Forest Park Parkway, Box 8501, St. Louis, MO 63108

Tel: 314 286 1800

Fax: 314 286 1810

Email: est@wateson.wustl.edu

Insert Size: 1341

High qality sequence starts: 1 High qality sequence stops: 1

High qality sequence etarts: 1 High Glone is available royalty-free through LiMl.; context the IMAGE Consortium (info@image.llnl.gov)

for further information. Trace considered overall poor quality insert Length: 1341 Std Error: 0.00

Seq primer: -21m13

High quality sequence stop: 1.

Location/Qualifiers

Location/Qualifiers
was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T# DNA polymerase and T# polymuclaeotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pwD42 (gi]4721141 gpl pkT129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E: coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               T99092 11-MAR-1995 MRNA linear EST 31-MAR-1995 MGF168.81 Soares fetal liver splean INFLS Homo sapiens cDNA clone IMAGE:122823 3' similar to gb:L27670 Human Landsteiner-Wiener blood T99092 1 GI:748829 GI:748829
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/lab_host="DH10B (ampicillin resistant")"
/note="Organ: tiver and Spleen; Vector: pT713D (Pharmacis)
with a modified polylinker; Site_1: pac 1; Site_2: Eco RI;
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/db_xref="taxon:9606"
/clone="IMAGE:122833"
/clone lib="Soares fetal liver spleen INFLS"
/sex="male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
100.0%; Score 7; DB 17; Length 28;
Best Local Similarity 100.0%; Pred. No. 3.5e+05;
Matches 7; Conservative 0; Mismatches 0; Indels
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T99092
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of pWD42 (gi|4732114|gb|AF129072:1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Alonso,J.M., Leisse,T.J., Barajas,P., Chen,H., Cheuk,R., Gadrinab,C., Jeske,A., Karnes,M., Kim,C.J., Parker,H., Prednis,L., Shinn,P., Zimmerman,J. and Ecker,J.R.
A Sequence-Indexed Library of Insertion Mutations in the Arabidopsis Genome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryoča, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, eudicotyledons, core eudicots,
Rosidae, eurosids II, Brassicales, Brassicaceae, Arabidopsis.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     This is single pass sequence recovered from the left border of TDNA. This sequence lies within 300 bases of the 3' end of At4g37400.
                                                                                                                                                                                                                                                                         Gaps
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                                                                                                                                                                                                                          100.0%; Score 7; DB 17; Length 30; 100.0%; Pred. No. 3.6e+05; ive 0; Mismatches 0; Indels
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thaliana genomic clone SALK_096946, DNA sequence.
BH864835
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100.0%; Pred. No. 3.6e+05;
ive 0; Mismatches 0;
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Best Local Similarity 100.
Matches 7; Conservative
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BH864835/c
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(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.05 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were adaptored to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    house mouse.

Mus musculus

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Musinae; Mus.

1 (bases 1 to 30)
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1M0532N15F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0532N15 F, DNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /lab host="E. Coli strain XLIO-Gold, Tl-resistant, F-"
/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
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/organism="Mus musculus"
/strain="C57BL/6J"
/db xref="taxon:10090"
/clone="UGGCIM0532N15"
/sex="Mouse 10kb plasmid UUGCIM library"
/sex="Male"
                                                                                                                                                                                                                             Length 30;
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                                                                                                                                                                                                                        100.0%; Score 7; DB 14; L
100.0%; Pred. No. 3.6e+05;
ive 0; Mismatches 0;
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Insert Length: 10000 Std Error: 0.00
Plate: 0532 row: N column: 15
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Seq primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AZ656638.1 GI:11793784
                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.
Matches 7; Conservative
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Fax: 801 585 7177
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                                                                                                                                                                                                                                                                                                                1 GCTTCAG 7
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84112, USA
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AZ656638/c
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ORIGIN
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Li,Y., Strizhov,N., Rosso,M. and Weisshaar,B.

Li,Y., Strizhov,N.,

Submitted (17-JUN-2002) Weisshaar B., Max-Planck-Institut fuer
Submitted (17-JUN-2002) Weisshaar B., Max-Planck-Institut fuer
Zuechtungsforschung, Carl-von-Linne-Weg 10, Koeln, 50829, Germany
This sequence is recovered from the left border of the T-DNA. It
indicates an insertion close to or within gene At3g62580. The
sequences are generated at the MPI for Plant Breeding Research in
the context of the GABI-Kat project. GABI-Kat is part of the German
Plant Genomics program designated 'GABI'. Information on line
availability can be found at:

Location/Qualifiers

Location/Qualifiers
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clone="dk-12809-012669"

clone="lk="Arabidopsis thaliana T-DNA insertion lines"

/clone="lkc" was performed on DNA from Arabidopsis thaliana
plants (T1) which were transformed with the T-DNA from

vector pAc161. The lines contain one or more T-DNA from

insertions. The DNA fragment(s) resulting from the PCR

were directly sequenced to determine the genomic sequence

flanking the insertion. Sequences displaying significant

similarity to the A. thalaina nuclear genome sequence

processed for submission. T-DNA derived sequence were
                                                           AL764630 10-JUN-2002 Arabidopsis thaliana T-DNA flanking sequence GK-128H09-012669, genomic survey sequence.
                                                                                                                                                                                                                                           thale cress.
Arabidopsis thaliana
Bukaryota; Viridiplantee; Streptophyta; Embryophyta; Tracheophyta;
Eukaryota; Viridiplantee; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnollophyta; eudicotyledons; core eudicots;
Rosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Rosso, M., Strizhov, N., Li, Y., Reiss, B., Dekker, K. and Weisshaar, B. A new Arabidopsis thaliana T-DNA mutagenised population (GABI-Kat) for flanking sequence tag based reverse genetics Inpublished
                                                                                                                                                                                                                                                                                                                                                                                                                           itrizhov,N., Li,Y., Rosso,M., Viehoever,P., Dekker,K., Saedler,H.
nd Weisshaar,B.
n pipeline for automated high-throughput generation of FSTs
[Flanking sequence tags] from Arabidopsis thaliana T-DNA
ransformed lines
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           organism="Arabidopsis thaliana"
strain="Columbia 0"
                                                                                                                                                                                   AL764630.1 GI:21517673
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RESULT 15
AL764630/c
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0; Gaps

Ouery Match

100.0%; Score 7; DB 17; Length 30; Best Local Similarity 100.0%; Pred. No. 3:6e+05.

Matches 7; Conservative 0; Mismatches 0; Indels

Search completed: June 23, 2003, 10:10:32 Job time : 364.058 secs

1 GCTTCAG 7 | | | | | | | | | | 28 GCTTCAG 22

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169, App
1191, Ap
550, App
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                                                                                                                                                                                                                                                   June 23, 2003, 05:45:21 ; Search time 307.275 Seconds (without alignments) 158.668 Million cell updates/sec
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Sequence 34, At
Sequence 38, At
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1: /cgnZ 6/ptodata/1/pna/PCT NEW COMB.seq:*

2: /cgnZ_6/ptodata/1/pna/USO6_NEW COMB.seq:*

3: /cgnZ_6/ptodata/1/pna/USO6_NEW COMB.seq:*

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5: /cgnZ_6/ptodata/1/pna/USO8_NEW COMB.seq:*

6: /cgnZ_6/ptodata/1/pna/USO8_NEW COMB.seq:*

7: /cgnZ_6/ptodata/1/pna/USO9_NEW COMB.seq:*

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9: /cgnZ_6/ptodata/1/pna/USO9_NEW COMB.seq:*

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10: /cgnZ_6/ptodata/1/pna/USO8_NEW COMB.seq:*

11: /cgnZ_6/ptodata/1/pna/USO8_NEW COMB.seq:*

12: /cgnZ_6/ptodata/1/pna/USO8_NEW COMB.seq:*

13: /cgnZ_6/ptodata/1/pna/USO8_NEW COMB.seq:*

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13: /cgnZ_6/ptodata/1/pna/USO8_NEW COMB.seq:*
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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US.10-240-580-38
US-10-106-799-13
US-10-106-799-14
US-10-303-778-13859
US-10-294-035-748
US-10-294-035-748
US-10-294-035-940
US-10-294-038-2682
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US-10-305-273-1191
US-10-305-275-550
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7820798 seqs, 3482471992 residues
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                                                                                                                                                                     OM nucleic - nucleic search, using sw model
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Gapop_60.0 , Gapext 60.0
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Maximum DB seq length: 50
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| Sequence 1230, Ap Sequence 1239, Ap Sequence 1251, Ap Sequence 1251, Ap Sequence 1251, Ap Sequence 1311, Ap Sequence 2853, Ap Sequence 2853, Ap Sequence 4903, Ap Sequence 1393, Ap Sequence 1213, Ap Sequence 1213, Ap Sequence 1213, Ap Sequence 2351, Ap Sequence 2351, Ap Sequence 169, Ap Sequence 169, Ap Sequence 169, Ap Sequence 169, Ap Sequence 535, Ap Sequence 535, Ap Sequence 550, Ap Sequence 550, App | SLOID LEUKEMIA CELLS WITH AN MLL- | Length 10; |
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| 15 9 US-10-316-956-1230 15 9 US-10-316-956-1230 15 9 US-10-316-956-1251 15 9 US-10-316-956-1251 15 9 US-10-316-956-1251 15 9 US-10-316-954-413 15 9 US-10-316-954-4307 15 9 US-10-316-954-2852 15 9 US-10-316-954-2853 15 9 US-10-316-954-2853 15 9 US-10-316-954-3933 15 9 US-10-310-157-5923 15 9 US-10-310-157-5923 15 9 US-10-310-157-5923 15 9 US-10-310-157-5609 15 9 US-10-316-375-273A-159 15 9 US-10-316-273A-159 15 9 US-10-316-273A-159 15 9 US-10-316-273A-159 | ALIGNMENTS ion US/10329465 GENES ABNORMALLY EXPRESSED IN MYELOID LEUKEMIA FUSION 1/201201 2002-12-23 MMBER: US/10/329,465 2002-12-27 i: 315 i: 315 it sequence Synthetic oligonucleotide | e 7; DB 9; No. 3e+05; smatches 0 3,222 |
| C 22 C 22 C 23 C 24 C 25 C 25 C 25 C 26 C 27 C 28 C 28 C 28 C 28 C 28 C 28 C 28 C 28 C 29 C 31 C 31 | 9-465-53/c ce 53, Applicat LINERMATION: CONT: WORNATION: OF INVENTION: OF INVENTION: OF INVENTION: NT APPLICATION NT FILING DATE: APPLICATION NU APPLICATION NO AND AND TH: 10 IN SM TH: | Query Match Best Local Similarity 100.0%; Score 7; Best Local Similarity 100.0%; Pred. No. Matches 7; Conservative 0; Mismatc QY Db 7 GCTTCAG 1 GCTTCAG 1 GCT |

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RESULT 5
US-10-106-799-13
Sequence 13, Application US/10106799
Sequence 14, Application US/10106799
Sequence 15, Application US/10106799
Sequence 16, Application US/10106799
SEQUENCE 18 GAT SET SECTION NOVEL DIA SEQUENCE in plants Caragana jubata with freeze tolerant TITLE OF INVENTION: method thereof
TITLE OF INVENTION: method thereof
TITLE OF INVENTION NUMBER: US/10/106,799
CURRENT APPLICATION NUMBER: US/10/106,799
CURRENT FILING DATE: 2002-10-31
NUMBER OF SEQ ID NOS: 32
SOFTWARE: Patentin version 3.1
SEQ ID NO 13
LENGTH: 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 6
(WS-10-14)
WS-10-14
(WS-10-14)
Sequence 14, Application US/10106799
GENERAL INFORMATION:
APPLICANT: Council of Scientific and Industrial Research
APPLICANT: Council of Scientific and Industrial Research
TITLE OF INVENTION: Newel DNA sequence in plants Caragana jubata with freeze toleran.
TITLE OF INVENTION: method thereof
FILE REFERENCE: US 673
CURRENT FILIAG DATE: 2002-10-31
CURRENT FILIAG DATE: 2002-10-31
NUMBER OF SEQ ID NOS: 32
SOFTWARE: Patentin version 3.1
SEQ ID NO 14
LENGTH: 13
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100.0%; Score 7; DB 9; Length 12;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 7; Conservative 0; Mismatches 0; Indels
; SEQ ID NO 38
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FAATURE:
; OTHER INFORMATION: Primer
US-10-240-580-38
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ORGANISM: Artificial Sequence
FEATURE:
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4 GCTTCAG 10
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GENERAL INFORMATION:
APPLICANT: INOUG. TARABAZE
TITLE OF INVENTION:
TITLE OF INVENTION: BATHABASE FOR MICROORGANISM DISCRIMINATION, METHOD OF
TITLE OF INVENTION: DATHABASE FOR MICROORGANISM DISCRIMINATION, AND MICROORGANISM DIS
TITLE OF INVENTION: DATHABASE FOR MICROORGANISM DISCRIMINATION, AND MICROORGANISM DISCRIMINATION, PROGRAM AND RECORDING MEDIUM ON WHICH SUCH PROGRAM IS RECORDED
CURRENT PEPTICATION NUMBER: US/10/240,580
CURRENT FILING DATE: 2000-03-30
PRIOR PILING DATE: 2000-03-30
PRIOR PILING DATE: 2000-03-31
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Query Match

Ough 10, Best Local Similarity 100.0%; Pred. No. 38+05,

Matches 7; Conservative 0, Mismatches 0, Indels
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TITLE OF INVENTION: Compositions and Methods for Wound
TITLE OF INVENTION: Compositions and Methods for Wound
TITLE OF INVENTION: Healing
TITLE OF INVENTION: Healing
FILE REPERRYCE: 000466.00116
CURRENT APPLICATION NUMBER: US 60/074,737
FRIOR PELICATION NUMBER: US 60/074,737
FRIOR FILING DATE: 1998-02-13
FRIOR FILING DATE: 1998-09-28
FRIOR FILING DATE: 1998-09-28
FRIOR FILING DATE: 1998-09-28
FRIOR FILING DATE: 1998-09-12
FRIOR FILING DATE: 1998-03-12
NUMBER OF SEQ ID NOS: 346
SOFTWARE: PSELSEQ for Windows Version 4.0
LENGTH: 11
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100.0%; Score 7; DB 9;
Best Local Similarity 100.0%; Pred. No. 3e+65;
Matches 7; Conservative 0; Mismatches 0
PRIOR APPLICATION NUMBER: EP 00201698.8 PRIOR PLING DATE: 2000-05-11 PRIOR APPLICATION NUMBER: EP 00202284.6 PRIOR FILING DATE: 2000-06-29 NUMBER OF SEQ ID NOS: 455 SOFTWARE: PATENTIN Ver: 2.1 SEQ ID NO: 131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 34, Application US/10314322 GENERAL INFORMATION:
                                                                                                                                                                                                                                 ; TYPE: DNA; ORGANISM: Homo sapiens US-10-293-222-131
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; ORGANISM: Mus musculus
US-10-314-322-34
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GENERAL INFORMATION:
APPLICANT: RosettaGenomics
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL
TITLE OF INVENTION: BIOINFORM GENES AND USES THEREOF
FILE REPERENCE: 47416
CURRENT APPLICATION NUMBER: US/10/303,778
CURRENT FILING DATE: 2002-11-26
NUMBER OF SEQ ID NOS: 17608
SOFTWARE: Patentin version 3.1
SEQ ID NO 13859
LENGTH: 14
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OTHER INFORMATION: The sequence TGAGCTCTGTG is deleted
                                       APPLICANT: Sale, Julian B.
APPLICANT: Sale, Julian B.
APPLICANT: Neuberger, Michael S.
APPLICANT: Cumbers, Sarah J.
TITLE OF INVENTION: Method of Generating Diversity
FILE REFERENCE: 18396/2005B
CURRENT APPLICATION NUMBER: US/10/146,505
CURRENT FILING DATE: 2002-11-18
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                                                                                                                                                                                                      PRIOR FILING DATE: 2001-04-06
PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: 09/879,813
PRIOR APPLICATION NUMBER: 09/879,813
PRIOR FILING DATE: 2001-06-11
PRIOR FILING DATE: 1999-10-08
PRIOR FILING DATE: 1999-10-09
PRIOR PELLOATION NUMBER: GB 9901141.3
PRIOR PILING DATE: 1999-10-09
PRIOR PILING DATE: 1999-01-19
PRIOR FILING DATE: 1999-06-09
PRIOR FILING DATE: 1999-06-09
NUMBER OF SEQ ID NOS: 127
SOFTWARE: PALENTIN VERSION 3.1
SEQ ID NO 84
LENGTH: 13
Sequence 84, Application US/10146505 GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 7; Conservative
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Best Local Similarity 100.
Matches 7; Conservative
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ORGANISM: Homo sapiens
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; ORGANISM: Homo sapiens
US-10-303-778-13859
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LOCATION: (8). (8)
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US-10-303-778-13859/C
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LOCATION: (1626549)...(1626563)
OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 1041
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OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 1040
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Geguence 940. Application US/10294035
GEGUENCE 940. Application US/10294035
GEGUENCE 940. Application George 940.
TITLE OF INVENTION: Mycobacterium leprae strain TN complete genome.
TITLE OF INVENTION: Mycobacterium leprae strain TN complete genome.
CURRENT APPLICATION NUMBER: US/10/294,035
CURRENT FILING DATE: 2002-11-14
SOFTWARE: Proprietary
SOFTWARE: Proprietary
LENGTH: 15
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GENERAL INFORMATION:
APPLICANT: Peldmann. Richard J.; Global Determinants, Inc.
APPLICANT: Peldmann.
TITLE OF INVENTION: Mycobacterium leprae strain TN complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/294,035
CURRENT FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1377
SOFTWARE: Proprietary
SEQ ID NO 748
LENGTH: 15
                                                APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Mycobacterium leprae strain TN complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-833
CURRENT APPLICATION NUMBER: US/10/294,035
CURRENT PILING DATE: 2002-11-14
NUMBER OF SEO ID NOS: 1377
SOFTWARE: Proprietary
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100.0%; Pred. No. 3e+05;
tive 0; Mismatches 0; Indels
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ORGANISM: Mycobacterium leprae strain TN complete genome.
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ORGANISM: Mycobacterium leprae strain TN complete genome.
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Sequence 747, Application US/10294035 GENERAL INFORMATION:
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Best Local Similarity 100..
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US-10-294-035-748/c
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LENGTH: 15
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GANISM: Lactococcus lactis subsp. lactis IL1403 complete
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100.0%; Score 7; DB 9; Length 15;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 7; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 7; Conservative 0; Mismatches 0; Indels
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1 LOCATION: (959678)...(959693)
1 THER INFORMATION: Chromosome = 1 Strand = negative US-10-287-822-1580
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ORGANISM: Synechocystis PCC6803 complete genome.
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1 LOCATION: (371601)...(371615)
2 OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 1249
US-10-294-038-1008
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) ORGANISM: Mycobacterium leprae strain TN complete genome.
; FEATURE:
; LOCATION: (2080233)...(2080248)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 1297
US-10-294-035-940
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COTHER INPORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber US-10-294-038-2682
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Sequence 1008, Application US/10294038
Sequence 1008, Application US/10294038
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
APPLICANT: Peldmann, Richard J.; Global Determinants, Inc.
APPLICANT: Beldmann, Richard J.; Global Determinants, Inc.
APPLICANT: Lactococcue Lactococcue Lactor La
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APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INTENTION: Lactococcus lactis subsp. lactis IL1403 co
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/294,038
CURRENT FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 5372
SEQ ID NOS: 5372
IBNGTH: 15
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ORGANISM: Lactococcus lactis subsp. lactis IL1403 complete g
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Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 7; Conservative 0; Mismatches 0; Indels
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Pred. No. 3e+05;
0; Mismatches 0; Indels
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Best Local Similarity 100.
Matches 7; Conservative
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                                                                                                                                                                                                  June 23, 2003, 05:20:00 ; Search time 587.108 Seconds (without alignments) 299.770 Million cell updates/sec
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1: /cgn2_6/ptodata/2/pna/USO6_COMB.seq:*
2: /cgn2_6/ptodata/2/pna/USO6_COMB.seq:*
3: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
4: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
5: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
6: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
7: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
9: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
10: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
11: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
12: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
13: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
14: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
15: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
16: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
16: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
17: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
18: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
19: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
10: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
11: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
12: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
13: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
14: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
15: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
16: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
17: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
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19: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
19: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
19: /cgn2_6/ptodata/2/pna/USO8_COMB.seq:*
10: /cgn2_6/ptodata/2/pna/USO8_SOR_COMB.seq:*
10: /cg
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      24791104 seqs, 12571243825 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Total number of hits satisfying chosen parameters:
                                                                                                                                      nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Post-processing: Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OLIGO_NUC
Gapop_60.0 , Gapext 60.0
                                                                                                                                                                                                                                                                                                                                                US-08-770-564A-12
                                                                                                                                                                                                                                                                                                                                                                                                                          1 GCTTCAG 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Minimum DB seq length: 0
Maximum DB seq length: 50
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                                                                                                                                                                                                                                                                                                                                                                                            Perfect score:
                                                                                                                                             1
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                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence:
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Cgyll 6, ptodated 2, phad young come is given to go to
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

| Description | 12, | Sequence 86, Appl | Sequence 65, Appl | Sequence 43, Appl | Sequence 44, Appl | 44, | Sequence 49, Appl | Sequence 130, App | 118, | Sequence 36, Appl | Sequence 58, Appl | Sequence 52, Appl | Sequence 10, Appl | Sequence 226, App | Sequence 1449, Ap | Sequence 49, Appl |
|---------------------|-------------------|-------------------|-------------------|--------------------|--------------------|-------------------|-------------------|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| SUMMARIES | US-08-770-564A-12 | US-08-632-782-86 | PCT-US00-04606-65 | PCT-US01-10743A-43 | PCT-US01-10743A-44 | PCT-US01-18814-44 | PCT-US01-18814-49 | PCT-US01-21306-130 | PCT-US01-23100-118 | PCT-US01-29207-36 | PCT-US01-42727-58 | PCT-US02-24250-52 | PCT-US97-13001-10 | PCT-US99-13800-226 | PCT-US99-13800-1449 | US-08-458-785-49 | US-08-459-444-49 | US-08-459-448-49 | US-08-459-504-49 | US-08-459-504A-49 | US-08-459-595-49 |
| DB | = | 10 | - | ٦ | - | ч | Н | ч | - | ٦ | Н | Н | - | - | ч | œ | ω | ω | œ | œ | æ |
| Length DB | 7 | æ | 10 | 10 | 10 | 10 | 10. | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| % Query Match | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Score | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Result No. | | 7 | ო ს | Ω 4 | 5 | 9 | 7 | 6 0 | σ, | 10 | c 11 | c 12 | c 13 | c 14 | c 15 | 16 | 17 | 18 | 19 | . 50 | 21 |

Gaps

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0; Indels

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0; Mismatches
                                                                                                                                                                                                                                        US-08-632-782-86
; Sequence 86, Application US/08632782
; GENERAL INFORMATION:
      7; Conservative
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|||||||
1 GCTTCAG 7
                                                            1 GCTTCAG 7
          Matches
Sequence 49, Appl Sequence 261, App Sequence 261, App Sequence 2731, App Sequence 1773, App Sequence 1170, App Sequence 1170, App Sequence 1701, App Sequence 4067, Appl Sequence 226, Appl Sequence 226, Appl Sequence 31, Appl Sequence 2823, Appl Sequence 2823, Appl Sequence 2823, Appl Sequence 2823, Appl Sequence 26, 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:

APPLICANT: Realey, James T.

APPLICANT: Realey, James T.

APPLICANT: Realey, James T.

APPLICANT: Realey, Scott L.

TITLE OF INVENTION: Inhibitory Polymuclectides Directed
TITLE OF INVENTION: Inhibitory Polymuclectides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBERS OF SECHENCES: 15

CORRESPONDENCE ADDRESS:

ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: TWO Embarcadero Center, 8th Floor
CITY: San Prancisco
CITY: San Prancisco
CITY: San Prancisco
COUNTRY: USA
ZIP: 9411

COMPUTER: IBM PC compatible
OPERATION SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
COMPUTER: PATENTION DATA:

APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFTCATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFTCATION NUMBER: US/08/770,564A

FILING DATE: 20-DEC-1996
TELEPHONE: STOREIL JOHN R.

REFERENCE/DOCKET NUMBER: 015389-002200US
TELEPHONE: 415-576-0300
TELEPHONE: 415-576-0300
TELEPHONE: THE MATENTICE:
CLENGTH: 7 base pairs
TYPE: muclaic acid
STRANDENDESS: single
                    17 US-09-335-032-369

17 US-09-335-032-2641

17 US-09-335-032-2641

17 US-09-335-032-2641

17 US-09-335-032-8177

18 US-09-336-376-1613

17 US-09-336-376-4900

17 US-09-36-376-4900

17 US-09-36-376-4900

18 US-09-249-155-34

6 US-09-249-155-34

6 US-09-249-155-34

18 US-09-249-155-34

18 US-09-249-155-34

18 US-09-249-153-34

18 US-09-249-153-34

18 US-09-281-33-30

18 US-09-281-33-30

18 US-09-281-38-39
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Pred. No. 3.5e+09;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 12, Application US/08770564A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
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PCT-USO0.04606-65/C
Sequence 65, Application PC/TUS0004606
GENERAL INFORMATION:
APPLICANT: Genaissance Pharmaceuticals, Inc.
APPLICANT: Nandabalan, Krishnan
APPLICANT: Stephens, J. Claiborne
APPLICANT: Chew, Anne
TITLE OF INVENTION: Drug Target Isogenes: Polymorphisms in the Tumor
TITLE OF INVENTION: Nacrosis Factor Receptor I Gene
FILE REPERENCE: WHH0030PCT
GENERAL INFORMATION:
APPLICAMY: Hardin, Susan H.
APPLICAMY: Homayoun's Ramin
APPLICAMY: Homayoun's Ramin
APPLICAMY: Hardin, Paul E.
TITLE OF INVENTION: Gene Sequencing and Method Thereof
NUMBER OF SEQUENCES: S6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fulbright & Jaworski L.L.P.
STREET: 1301 McKinney, Suite 5100
CITY: Houston
STATE: Texas
COUNTRY: US.A.
CONPITY: Houston
STATE: Texas
COUNTRY: US.A.
COMPUTER: IBM PC compatible
CLASSIFICATION NUMBER: 32,714
REFERENCE/DOCKET NUMBER: D-5900
TELECOMMUNICATION INDORMATION:
TELEPHONE: 713/651-5325
TRANDATION FOR SEQ ID NO: 86:
STRANDATION FOR SEQ ID NO: 86:
STRANDEDNESS: BINGLE
TYPE: UNICHE TYPE: Other nucleic acid
STRANDEDNESS: BINGLE
TOPOLOGY: Ilnear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
100.0%; Score 7; DB 10; Length 8;
Best Local Similarity 100.0%; Pred. No. 3.1e+09;
Matches 7; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "oligonucleotide"
HYPOTHETICAL: YES
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Gaps

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Length 10;
                              Length 10;
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                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Choi, Julie Y.
APPLICANT: Koshy, Beena
APPLICANT: Sanchis, Angela
APPLICANT: Sanchis, Angela
APPLICANT: Sanchis, Angela
APPLICANT: Sausker, Elizabeth Ann
TITLE OF INVENTION: HAPLOTYDER OF THE PHKG2 GENE
FILLE REPERENCE: MMH-0770pCT PHKG2
CURRENT APPLICATION NUMBER: PCT/USO1/18814
CURRENT FILING DATE: 2001-06-11
PRIOR FILING DATE: 2000-06-09
NUMBER OF SEQ ID NOS: 64
SOFTWARE: PatentIn Ver. 2.1
IENGTH: 10
                                                                                                                                                                                                                                                                                                             APPLICANT: Genalisance Pharmaceuticals, Inc.
APPLICANT: Choi, Julie Y.
APPLICANT: Choi, Julie Y.
APPLICANT: Koahy, Baena
APPLICANT: Sanchis, Angela
APPLICANT: Sausker, Elizabeth Ann
TITLE OF INVENTION: HAPLOTYPES OF THE PHKG2
FILE REFERENCE: MWH-0770PCT PHKG2
CURRENT PPLLICATION NUMBER: PCT/US01/18814
CURRENT FILING DATE: 2001-06-11
PRIOR APPLICATION NUMBER: 60/210,568
PRIOR FILING DATE: 2000-06-09
NUMBER OF SEQ ID NOS: 64
SOFTWARE: Patentin Ver. 2.1
                                100.0%; Score 7; DB 1; L. 100.0%; Pred. No. 9.7e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 7; DB 1; Lot 100.0%; Pred. No. 9.7e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Genaissance Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                     PCT-US01-18814-44/c; Sequence 44, Application PC/TUS0118814; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; Sequence 49, Application PC/TUS0118814; GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 7; Conservative
                              Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
CORGANISM: Homo sapiens
PCT-US01-18814-44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
CORGANISM: Homo sapiens
PCT-US01-18814-49
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Best Local Similarity
Matches 7; Conserv
                                                                                                                                               3 GCTTCAG 9
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LENGTH: 10
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                                                                                                                                                                                                                                                                      Query Match 100.0%; Score 7; DB 1; Length 10; Best Local Similarity 100.0%; Pred. No. 9.7e+05; Matches 7; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Chew, Anne
APPLICANT: Chew, Anne
APPLICANT: Choi, Julie Y.
APPLICANT: Choi, Julie Y.
APPLICANT: Choi, Julie Y.
APPLICANT: Koshy, Beena
ITILE OF INVENTION: Haplotypes of the SCN2B Gene
ITILE OF INVENTION: WH-0481PCT SCN2B
CURRENT APPLICATION NUMBER: PCT/US01/10743A
CURRENT FILING DATE: 2000-04-13
PRIOR PLILING DATE: 2000-04-13
NUMBER OF SEQ ID NOS: 50
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 44
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 7; DB 1; Lo
Pred. No. 9.7e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Chew, Anne
APPLICANT: Choi, Julie Y.
APPLICANT: Choi, Julie Y.
APPLICANT: Koshy, Beene
TITLE OF INVENTION: Haplotypes of the SCN2B Gene
FILE REFERENCE: WMH-0481PCT SCN2B
CURRENT APPLICATION NUMBER: PCT/US01/10743A
CURRENT FILING DATE: 2001-04-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 43, Application PC/TUS0110743A
GENERAL INFORMATION:
APPLICANT: Genaissance Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Genaissance Pharmaceuticals, Inc.
APPLICANT: Chew, Anne
CURRENT APPLICATION NUMBER: PCT/USOO/04606
CURRENT FILING DATE: 2000-02-23
EARLIER APPLICATION NUMBER: 60/121,314
EARLIER FILING DATE: 1999-02-23
NUMBER OF SEQ ID NOS: 113
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 65
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 44, Application PC/TUS0110743A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: 60/196,597
PRIOR FILING DATE: 2000-04-13
NUMBER OF SEQ ID NOS: 50
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 43
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%;
100.0%;
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Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                             TYPE: DNA
ORGANISM: HOMO SAPIENS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
ORGANISM: Homo sapien
PCT-US01-10743A-44
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PCT-US01-10743A-43
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APPLICANT: Genalseance Pharmaceuticals, Inc.
APPLICANT: Denton, R. Rex
APPLICANT: Denton, R. Rex
APPLICANT: Denton, R. Rex
APPLICANT: Dygdale, Connie M.
APPLICANT: Hoffman, Michael
APPLICANT: Nandabalan, Krishnan
APPLICANT: Nandabalan, Krishnan
APPLICANT: Stephens, J. Catherine B.
APPLICANT: Stephens, J. Claiborne
APPLICANT: Stephens, J. Claiborne
APPLICANT: Vanden Brg, Jodis
APPLICANT: Winkelmann, Bernhard R.
IIITLE OF INVENTION: Ageociation of Low Density Lipoprotein Receptor (LDLR) Gene Haplot,
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PCT-USO1-42727-58/C
Sequence 58, Application PC/TUSO142727
Sequence 58, Application PC/TUSO142727
SERRAL INPOWARTRON:
APPLICANT: Genaissance Pharmaceuticals, Inc.
APPLICANT: Genaissance Pharmaceuticals, Inc.
APPLICANT: Grew, Anne
APPLICANT: Banchis, Angela
APPLICANT: Banchis, Angela
APPLICANT: Banchis, Angela
APPLICANT: BANCHISON: HAPLOTYPES OF THE CYP27A1 GENE
FILE REFERENCE: CYP27A1 MMH-1279PCT
CURRENT APPLICATION NUMBER: 60/239,942
PRIOR PLILING DATE: 2000-10-15
CURRENT FILING DATE: 2000-10-13
NUMBER OF SEQ ID NOS: 74
SOPTWARE: Patentin version 3.1
SERGII 10
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100.0%; Pred. No. 9.7e+
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PRIOR APPLICATION NUMBER: 60/
PRIOR FILING DATE: 2000-09-15
NUMBER OF SEQ ID NOS: 46
SOFTWARE: Patentin Ver: 2.1
SEQ ID NO 36
LENGTH: 10
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Best Local Similarity 100.
Matches 7; Conservative
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; ORGANISM: Homo sapiens
PCT-US01-42727-58
                                                                                                                                                           ; TYPE: DNA
; ORGANISM: Homo sapien
PCT-US01-29207-36
                                                                                                                                                                                                                                                                                                                                                       1 GCTTCAG 7
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1 GCTTCAG 7
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  Sequence 130, Application PC/TUS0121306
SEQUENCE 130, Application PC/TUS0121306
SERERAL INFORMATION:
APPLICANT: Bentivegna, Steven C
APPLICANT: Bledlecki, Karyn M.
APPLICANT: Kazemi, Amir
APPLICANT: Kazemi, Amir
TITLE OF INVENTION: Beena
FILE REFERENCE: WWH-0902PCT ETPB
CURRENT FILING DATE: 2001-07-06
PRIOR PLILING DATE: 2001-07-06
PRIOR PLILING DATE: 2000-07-05
NUMBER OF SEQ ID NOS: 141
SEGTEMBER: Patentin Ver. 2.1
SEG ID NO 130
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Genalssance Pharmaceuticals
APPLICANT: Genalssance Pharmaceuticals
APPLICANT: Duda, Amy
APPLICANT: Nosh, Beena
APPLICANT: Sanchis, Angela
APPLICANT: Sanchis, Angela
TITLE OF INVENTION: Haplotypes of the CHRNAI Gene
FILE REFERENCE: MWH-0712PCT CHRNAI
CURRENT APPLICATION NUMBER: PCT/US01/23100
PRIOR APPLICATION NUMBER: 60/219,538
PRIOR PLILING DATE: 2000-07-20
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APPLICANT: Sanchis, Angela
APPLICANT: Tirrell, Charles
TITLE OF INVENTION: Haplotypes of the GPR7 Gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
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Sequence 118, Application PC/TUS0123100
GENERAL INFORMATION:
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Best Local Similarity 100.0%;
Matches 7; Conservative 0;
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Best Local Similarity 100.
Matches 7; Conservative
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; ORGANISM: Homo sapiens
PCT-US01-21306-130
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; ORGANISM: Homo sapien
PCT-US01-23100-118
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PCT-US99-13800-226/c
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TITLE OF INVENTION: Method of Identifying Aloe Using
NUMBER OF SEQUENCES: 32
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        S: Swanson & Bratschun, L.L.C.
8400 E. Prentice Avenue, Suite 200
                                                                                                                                                                                                                                                                    0; Mismatches
CURRENT APPLICATION NUMBER: PCT/USO2/24250
CURRENT FILING DATE: 2002-07-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 80111
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3 1/2 diskett
COMPUTER: IBM pc compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 8.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/13001
                                                                                                                                                                                                                            100.0%; Score 7;
100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Barry J. Swanson
REGISTATION NUMBER: 33,215
REFERENCE/DOCKET NUMBER: UNI.07/PCT
TELECOMMUNICATION INFORMATION:
                                     TION NUMBER: US 60/308,688
                                                                                                                                                                                                                                                                                                                                                                                            RESULT 13
PCT-US97-13001-10/c
; Sequence 10, Application PC/TUS9713001
; GENERAL INFORMATION:
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/022,611
FILLING DATE: 26-JULY-1996
ATTORNEY/AGENT INFORMATION:
                                                 PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 103
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 52
LENGTH: 10
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: Swanson &
                                                                                                                                             TYPE: DNA
ORGANISM: Homo sapiens
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Best Local Similarity
Matches 7; Conserv
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PCT-US97-13001-10
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                                       PRIOR APPLICA
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RESULT 14

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Query Match
100.0%; Score 7; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 9.7e+05;
Matches 7; Conservative 0; Mismatches 0; Indels
              AAKLIER APPLICATION NUMBER: 60/090,076

BARLIER FILING DATE: 1998-06-19

EARLIER PILING DATE: 1998-06-19

EARLIER APPLICATION NUMBER: 60/090,045

EARLIER FILING DATE: 1998-06-19

EARLIER FILING DATE: 1998-12-08

NUMBER OF SEQ ID NOS: 2138

SOFTWARE: FESESEQ for Windows Version 3.0

LENGTH: 10
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APPLICATION NUMBER: 60/090,047
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CORGANISM: Homo sapiens
PCT-US99-13800-1449
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APPLICANT: Generation
APPLICANT: Generate Stinivae
APPLICANT: Roberts Purce L.
APPLICANT: Roberts Purce L.
APPLICANT: Roberts Stinivae
ITILE GENERENCE: 612868126601
FURRENT FILMS DATE: 1998-06-19
CURRENT FILMS DATE: 1998-06-19
EARLIER APPLICATION NUMBER: 60/090,041
EARLIER PILING DATE: 1998-06-19
EARLIER PILING DATE: 1998-06-19
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EARLIER PILING DATE: 1998-06-19
EARLIER FILMS DATE: 1998-06-19
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PCT-US99-13800-1449/c
; Sequence 1449, Application PC/TUS9913800
; GENERAL INFORMATION:
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APPLICATION NUMBER: 60/089,833
FILING DATE: 1998-06-19
RPPLICATION NUMBER: 60/089,994
APPLICATION NUMBER: 60/090,077
APPLICATION NUMBER: 60/090,077
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; ORGANISM: Homo sapiens
PCT-US99-13800-226
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Scoring table:

Word size :

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Crossland, Lyle D.
Wright, Martha S.
Merlin, Ellis J.
Launis, Karen L.

ITLE OF INVENTION: SYNTHETIC DNA SEQUENCE HAVING ENHANCED
INSECTICIDAL ACTIVITY IN MAIZE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 27709
COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SNT APPLICATION DATA:
SPELICATION NUMBER: US/09/988,462
FILING DATE: 20-No. US20030046726A1-2001
CLASSIFICATION: <UNKNOWN>
US-09-780-164-613
US-09-780-164-738
US-09-780-164-928
US-09-780-164-928
US-10-029-677-6
US-10-029-677-6
US-10-029-677-6
US-10-060-895A-249
US-10-060-895A-259
US-10-060-895A-251
US-10-060-895A-253
US-10-060-895A-254
US-10-060-895A-255
US-10-060-895A-256
US-10-060-895A-256
US-10-060-895A-256
US-10-060-895A-256
US-10-060-895A-256
US-10-060-998-1539
US-10-060-998-1542
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FILING DATE: 11-APP-2000
FILING DATE: 02-JUN-1995
FILING DATE: 02-JUN-1995
APPLICATION NUMBER: US 07/951,715
FILING DATE: 25-SEP-1992
APPLICATION NUMBER: US 07/772,027
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ALIGNMENTS
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CITY: Research Triangle Park
STATE: NC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 49, Application US/09988462
Publication No. US20030046726A1
GENERAL INFORMATION:
APPLICANT: Koziel, Michael G.
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Lewis, Kelly S.
Kramer, Vance C
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CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Warren,
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Sequence 226, App
Sequence 1449, Ap
Sequence 34, Appl
Sequence 84, Appl
Sequence 84, Appl
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Sequence 61, Appl
                                                                                                                 June 23, 2003, 06:41:29; Search time 56.251 Seconds (without alignments) 182.610 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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Sequence 10,
Sequence 39, A
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Sequence
Sequence
Sequence
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6/ptodate//pubpna/USO6 NEW PUB.seq:*
6/ptodate//pubpna/USO6 NEW PUB.seq:*
6/ptodate//pubpna/USO6 NEW PUB.seq:*
6/ptodate//pubpna/USO7 NEW PUB.seq:*
6/ptodate//pubpna/PCTUS PUBCOMB.seq:*
6/ptodate//pubpna/USO8 NEW PUB.seq:*
6/ptodate//pubpna/USO8 NEW PUB.seq:*
6/ptodate//pubpna/USO8 NEW PUB.seq:*
6/ptodate//pubpna/USO9 NEW PUB.seq:*
6/ptodate//pubpna/USO9 NEW PUB.seq:*
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /cgn2_6/ptodata/1/pubpna/US10_pubGoMB.seq:
/cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ptodata/1/pubpna/US10_NEW_PUB.seq
ptodata/1/pubpna/US10_PUBCOMB.seq
                                                                                                                                                                                                                                                                                                                                                                                    832576
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ptodata/1/pubpna/US07_PUBCOMB.seq:
                   GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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US-10-033-145-226

US-10-033-145-1449

US-09-249-155-34

US-09-879-813-84

US-09-879-813-84

US-09-879-813-84

US-09-879-813-84

US-09-870-601-4
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US-10-146-575-21
US-10-145-289-2
US-09-922-261-10
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US-09-879-813-51
US-10-041-856-79
US-09-780-164-259
US-09-780-164-250
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                                                                                                                                                                                                                                                                                                              1042519 seqs, 733713590 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Published Applications NA:*

1: /cgn2_6/ptodata/1/pubpna/D

2: /cgn2_6/ptodata/1/pubpna/D

3: /cgn2_6/ptodata/1/pubpna/U

4: /cgn2_6/ptodata/1/pubpna/U

5: /cgn2_6/ptodata/1/pubpna/U

6: /cgn2_6/ptodata/1/pubpna/U

8: /cgn2_6/ptodata/1/pubpna/U

8: /cgn2_6/ptodata/1/pubpna/U

9: /cgn2_6/ptodata/1/pubpna/U

10: /cgn2_6/ptodata/1/pubpna/U

10: /cgn2_6/ptodata/1/pubpna/U

10: /cgn2_6/ptodata/1/pubpna/U

10: /cgn2_6/ptodata/1/pubpna/U
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                                                                                    nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Post-processing: Listing first 45 summaries
                                                                                                                                                                                                                                                            OLIGO_NUC
Gapop_60.0 , Gapext_60.0
                                                                                                                                                                                  US-08-770-564A-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query
Match Length
                                                                                                                                                                                                                         1 GCTTCAG 7
                                                                                                                                                                                                                                                                                                                                                                                                                 Minimum DB seq length: 0 Maximum DB seq length: 50
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APPLICANT: Remacle, Jose
APPLICANT: Remacle, Jose
APPLICANT: Remacle, Detricia
APPLICANT: Art, Muriel
TITLE OF INVENTION: DETECTION AND/OR THE QUANTIFICATION OF TRANSCRIPTIONAL
TITLE OF INVENTION: DETECTION AND ART STORES FILE REFERENCE: VANM212:001AUS
CURRENT APPLICATION NUMBER: US 009/0916, 763
CURRENT FILING DATE: 2000-03-23
RIOR PILING DATE: 2000-03-23
RIOR PILING DATE: 2000-03-24
NUMBER OF SEQ ID NOS: 150
SUPTIMER: PRESEQ for Windows Version 4.0
ELENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: Consensus sequence for transcriptional factor is OTHER INFORMATION: ISGF3
US-09-816-763-61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 7; DB 10; Length 10; 100.0%; Pred. No. 6.8e+04; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 7; DB 9; Length 10; 100.0%; Pred. No. 6.8e+04; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear MOLECULE TYPE: other nucleic acid DESCRIPTION: /desc = "primer C1 - second half"
ATTORNEY AGENT INFORMATION:
NAME: Meigs, J. Timothy
REGISTRATION NUMBER: 38,241
REFERENCE/COCKET NUMBER: 5.188051
TELECOMPUNICATION INFORMATION:
TELEPHONE: (919)541-8689
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 Base pairs
TEMEST: UNCleic acid
STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                        HYPOTHETICAL: NO SEQUENCE DESCRIPTION: SEQ ID NO: 49: US-09-988-462-49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 226, Application US/10033145
Patent No. US20020131515A1
GENERAL INFORMATION:
APPLICANT: GENEXME CORPORATION
APPLICANT: ROBERTS, BRUCE
APPLICANT: SHANKARA, SRINIVAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 61, Application US/09816763
Patent No. US20020110814A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.
Matches 7; Conservative
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TITLE OF INVENTOR: DEPRENATION AND USE OF SUPERIOR VACCINES

CURRENT APPLICATION NUMBER: 105/10/033.145

CURRENT APPLICATION NUMBER: 105/10/033.145

CURRENT APPLICATION NUMBER: 107/10/033.145

SOUTHARD APPLICATION NUMBER: 107/10/03/13800

NUMBER CONTRAINED TO THE PROPERTY OF THE PROPER
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Gaps

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Sequence 4, Application US/09770601

Patent No. US20020104110A1

GENERAL INFORMATION:

APPLICANT: Lipes, Myra A.

APPLICANT: Chen, Qian

TITLE OF INVENTION: USAS THEREOF

FILE REPERENCE: 10276-015002

CURRENT APPLICATION NUMBER: US/09/770,601

CURRENT FILING DATE: 2001-01-26

PRIOR APPLICATION NUMBER: 09/127,276

PRIOR FILING DATE: 1998-07-30

PRIOR FILING DATE: 1998-07-30

PRIOR FILING DATE: 1997-08-05

NUMBER OF SEQ ID NOS: 6

SOFTWARE: PastSEQ for Windows Version 4.0

SEQ ID NO 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 7; DB 10; Length 13; 100.0%; Pred. No. 6.7e+04;
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Patent No. US20020104110A1
GENERAL INFORMATION:
APPLICANT: Lipes, Myra A.
APPLICANT: Lipes, Myra A.
APPLICANT: Men, Qian
TITLE OF INVENTION: IMMUNOLOGICALLY PRIVILEGED CELLS AND
TITLE OF INVENTION: USES THEREOF
TILE REFERENCE: 10276-015002
CURRENT APPLICATION NUMBER: US/09/770,601
CURRENT FILING DATE: 2001-01-26
                                                                                                                                                                                                                                     ; LOCATION: (8)...(8); OTHER INFORMATION: F220; OTHER INFORMATION: The sequence TGAGCTCTGTG is deleted US-10-146-505-84
                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 7; DB 9; L. 100.0%; Pred. No. 6.7e+04; Ative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
    PRIOR APPLICATION NUMBER: GB 9901141.3 PRIOR PLING DATE: 1999-01-19 PRIOR APPLICATION NUMBER: GB 9913435.5 PRIOR FILING DATE: 1999-06-09 NUMBER OF SEQ ID NOS: 127 SOFTWARE: PATENTIN VERSION 3.1 SEQ ID NO 84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: primer for PCR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                              Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                   NAME/KEY: misc_feature
LOCATION: (8)..(8)
                                                                                                                                                                        TYPE: DNA
ORGANISM: Homo sapiens
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US-09-770-601-6/c
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                                                                                                                                                       LENGTH: 13
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                                                                                                                               DB 9; Length 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LOCATION: (8).7(8)
CHER INFORMATION: F220
CHER INFORMATION: The sequence TGAGCTCTGTG is deleted US-09-879-813-84
                                                                                                                                                                                                                                                                                                                                               Sequence 84, Application US/09879813
Fatent No. US20020155453A1
GENERAL INPORMATION:
APPLICANT: Sale Julian E.
APPLICANT: Sale Julian E.
APPLICANT: Cumbers, Sarah J.
TILE REFERENCE: 18396/2005
CURRENT APPLICATION NUMBER: US/09/879,813
CURRENT FILING DATE: 2001-06-11
FRIOR APPLICATION NUMBER: 09/894,717
PRIOR APPLICATION NUMBER: 09/82,717
PRIOR APPLICATION NUMBER: POT/GB99/03358
FRIOR FILING DATE: 1999-10-08
NUMBER OF SEQ ID NOS: 87
SOFTWARE: Patentin Version 3.1
SEQ ID NO 8
LENGTH: 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 84, Application US/10146505
Publication No. US20030108889A1
GENERAL INFORMATION:
APPLICANT: Sale, Julian E.
APPLICANT: Cumbers, Sarah J.
TITLE OF INVENTION: Method of Generating Diversity
FILE REFERENCE: 18396/2005B
CURRENT APPLICATION UNMBER: US/10/146,505
CURRENT FILING DATE: 2002-11-18
PRIOR APPLICATION NUMBER: 09/828,777
PRIOR FILING DATE: 2001-04-06
PRIOR PAPLICATION NUMBER: PCT/GB99/03358
PRIOR PELING DATE: 2001-06-11
PRIOR PILING DATE: 2001-06-11
PRIOR FILING DATE: 1099-10-08
PRIOR FILING DATE: 1999-10-08
PRIOR FILING DATE: 1999-10-09
                                                                                                                                                   6.8e+04;
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                                                                                                                                                                          0; Mismatches
                                                                                                                             100.0%; Score 7;
100.0%; Pred. No.
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Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                         Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
; SEQ ID NO 34
; LENGTH: 11
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-249-155-34
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NAME/KEY: misc_feature
(R) _ (R)
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ORGANISM: Homo sapiens
                                                                                                                                                                                                               1 GCTTCAG 7
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US-09-879-813-84/c
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US-10-146-505-84/C
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US-JULY 142-289-2

US-L145-289-2

Sequence 2, Application US/10145289

Publication No. US20030077812A1

GENERAL INFORMATION:

APPLICANT: James G. MCArthur

APPLICANT: Andle John Talbot

APPLICANT: Michael Kelly

APPLICANT: Michael Kelly

APPLICANT: Michael Kelly

APPLICANT: Thomas Dull

TITLE OF INVENTION: LENTIVIRAL VECTORS ENCODING

TITLE OF INVENTION: LENTIVIRAL VECTORS ENCODING

TITLE OF INVENTION: PACTORS FOR GENE THERAPY

FILE REFERENCE: 131.2USUI

CURRENT APPLICATION NUMBER: US/10/145,289

CURRENT APPLICATION NUMBER: 60/291,083

PRIOR FILING DATE: 2002-06-14

NUMBER OF SEQ ID NOS: 10

SEQ ID NO 2

SEQ ID NO 2

LENTIFICED
                                                                                                                       Query Match 100.0%; Score 7; DB 9; Length 14; Best Local Similarity 100.0%; Pred. No. 6.7e+04; Matches 7; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 6.7e+04;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                       US-10-146-575-21/C

Sequence 2.1, Application US/10146575

Publication No. US2030059800A1

GENERAL INFORMATION:

APPLICANT: Lichter, Jay

APPLICANT: CINVENTION: GENOTYPING OF HUMAN CYP3A4

FILE OF INVENTION: GENOTYPING OF HUMAN CYP3A4

FILE PERENCE: SEQ-12P

CURRENT APPLICATION NUMBER: US/09/144,367

PRIOR PILING DATE: 1998-08-31

NUMBER OF SEQ ID NOS: 58

SEQ ID NO. 21

LENGTH: 15
     ; TOPOLOGY: unknown; MOLECULE TYPE: DNA (genomic); ANTI-SENSE; YES
US-10-146-058-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; OTHER INFORMATION: primer US-10-145-289-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TYPE: DNA
; ORGANISM: H. sapiens
US-10-146-575-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 GCTTCAG 7
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Squence 41, Application US/10146058
Publication No. US2003004049941
GENERAL INFORMATION:
APPLICANT: Brysch, Wolfgang
APPLICANT: Brysch, Wolfgang
APPLICANT: Schlingensiepen, Karl-Hermann
APPLICANT: Schlingensiepen, Karl-Hermann
APPLICANT: Schlingensiepen, Karl-Hermann
APPLICANT: Schlingensiepen, Reimar.
APPLICANT: Schlingensiepen, Reimar.
TITLE OF INVENTION: immuno-suppressive effect of transforming-growth-factor beta
TITLE OF INVENTION: immuno-suppressive effect of transforming-growth-factor beta
TITLE OF INVENTION: immuno-suppressive effect of transforming-growth-factor
TITLE OF INVENTION: immuno-suppressive effect of transforming-growth-factor
TITLE OF INVENTION: DATAES:
ADDRESSEE: Jacobson, Price, Holman & Stern
STREET: 400 Seventh St. N.W.
CITY: Washington D.C
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: BALDABLE FORM:
MEDIIOM TYPE: C-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILING DATE:
FILING DATE:
FILING DATE:
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                                                                                                                                                                                                                                                                                                                                                      Query Match 100.0%; Score 7; DB 10; Length 13; Best Local Similarity 100.0%; Pred. No. 6.7e+04; Matches 7; Conservative 0; Mismatches 0; Indels
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 93 107 089.0
FILING DATE: 30-APR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 93 107 849.7
FILING DATE: 13-MAY-1993
ATTORNEY/AGENT INFORMATION:
PRIOR APPLICATION NUMBER: 09/127,276
PRIOR FILING DATE: 1998-07-30
PRIOR PPLICATION NUMBER: 60/054,730
PRIOR FILING DATE: 1997-08-05
NUMBER OF SEQ ID NOS: 6
SEQ ID NO 6
LENGTH: 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILLING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/535,249
                                                                                                                                                                                                                                                                                  ) OTHER INFORMATION: primer for PCR US-09-770-601-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Player, William E.
REGISTRATION NUMBER: 31,409
REFERENCE/DOCKET NUMBER: 105
TELECOMMUNICATION:
TELEPHONE: (202)638-6666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEBRA: (202) 339-5350
TELER: RCA 248593 IDEA UR
INFORMATION FOR SEQ ID NO: 41:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 Dase pairs
TYPE: nucleic acid
STABADEDNESS: unknown
                                                                                                                                                                                                          TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 GCTTCAG 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            7 GCTTCAG 1
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US-10-146-058-41/c
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NAME/KEY: misc_feature
LOCATION: (7)..(12)
OTHER INFORMATION: DB
OTHER INFORMATION: The sequence GACCC between positions 7 and 12 replace the sequenc
OTHER INFORMATION: e AGGACTGT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 51, Application US/09879813
; Patent No. US2002155453A1
; Patent No. US2002155453A1
; GENERAL INFORMATION:
    APPLICANT: Sale, Julian E.
    APPLICANT: Cumberger, Michael S.
    TITLE OF INVENTION: Method of Generating Diversity
    TITLE OF INVENTION: USP 09/828,717
    PRIOR APPLICATION NUMBER: 09/828,717
    PRIOR APPLICATION NUMBER: 09/828,717
    PRIOR APPLICATION NUMBER: 09/828,717
    NUMBER: OF TILING DATE: 1999-10-08
    NUMBER: OF TILING DATE: 1999-10-08
    NUMBER: PatentIn version 3.1
    SEQ ID NO 5: 87
    LENGRIH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 7; DB 9; L. 100.0%; Pred. No. 6.7e+04;
                                                                                                                       PFILING DATE:

PFILING DATE:

APPLICATION DATA:

APPLICATION NUMBER: EP 93 107 089.0

PFILING DATE: 30-APR-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: EP 93 107 849.7

ATTORNE: 13-MAY-1993

FELECOMMUNICATION INFORMATION:

TELEFROME: (202) 393-5350

TELERAX: RCA 248593 IDEA UR

INFORMATION FOR SEQ ID NO: 39:

SEQUENCE CHARACTERISTICS:

LENGTH: 16 base pairs

TTYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
                                                    PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/535,249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic
STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; ANTI-SENSE:
US-10-146-058-39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-879-813-51
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APPLICANT: Schlingenstepen, Georg-Ferdinand
APPLICANT: Schlingenstepen, Karl-Hermann
APPLICANT: Schlingenstepen, Karl-Hermann
APPLICANT: Schlingenstepen, Reimar
APPLICANT: Boddahn, Ulrich
TITLE OF INVENTION: Antisense-oligonuclectides for the treatment of
TITLE OF INVENTION: immuno-suppressive effect of transforming-growth-factor beta
                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: BALNEY, Shawn
APPLICANT: Homas, Mary Beth
APPLICANT: Thomas, Mary Beth
APPLICANT: Thomas, Mary Beth
APPLICANT: Thomas, Mary Beth
APPLICANT: Portbury, Stuart D.
APPLICANT: Ratz, Lawrence C.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING
TITLE OF INVENTION: CELL DEATH
FILE REFERENCE: 10001-005-999
CURRENT APPLICATION NUMBER: US/09/922,261
CURRENT FILING DATE: 2001-08-03
PRIOR FILING DATE: 1999-12-14
NUMBER OF SEQ ID NOS: 466
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
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                          Length 15;
                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: Jacobson, Price, Holman & Stern
STRET: 400 Seventh St. N.W.
CITY: Washington D.C
COUNTRY: U.S.A.
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                    100.0%; Score 7; DB 9; 100.0%; Pred. No. 6.7e+C
                                                                              0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/146,058
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: COGENT NEUROSCIENCE, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 39, Application US/10146058
Publication No. US20030040499A1
                                                                                                                                                                                                                                                                                                                          Sequence 10, Application US/09922261
Patent No. US20020111471A1
GENERAL INFORMATION:
Query Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
ADDRESSEE: Jacobson,
STREET: 400 Seventh S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                       9 GCTTCAG 15
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17 GCTTCAG 11

Search completed: June 23, 2003, 20:01:33 Job time : 56.251 secs

Sequence Sequence

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233, App 34, Appl 8, Appli 34, Appl 73, Appl

Sequence Sequence 6

Word size :

Database

Result

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Searched:

Sequence:

Title:

OM nucleic

Run on:

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Sequence 86, Application US/08859954
Patent No. 6083695
GENERAL INFORMATION:
APPLICANT: Hardin, Susan H.
APPLICANT: Hardin, Ramin
APPLICANT: Hardin, Paul B.
TITLE OF INVENTION: Gene Sequencing and Method Thereof
NUMBER OF SEQUENCES: 566
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fulbright & Jaworski L.L.P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STATE: Texas
COUNTRY: U.S.A.
ZIP: 77010-3095
COMPUTER: ELOPPY disk
COMPUTER: IBM PC compatible
COMPUTER: PATONIN PC-DOS/MS-DOS
SOFTWARE: PATONIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/859,954
US-08-471-044-34
US-08-471-0468-34
US-08-471-0468-34
US-08-471-0468-34
US-08-55-684B-73
US-08-56-684B-681
US-08-56-684B-682
US-08-56-684B-1815
US-08-56-684B-1815
US-08-56-684B-1815
US-08-774-310-23
US-08-774-310-23
US-08-774-310-23
US-09-09-289-750-8
US-09-289-750-8
US-09-289-750-8
US-09-289-750-8
US-09-289-750-8
US-09-289-760-8
US-09-038-073-73
US-09-038-073-681
US-09-038-073-681
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "oligonucleotide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            E: Fulbright & Jaworski L.L.P.
1301 McKinney, Suite 5100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "oligonucle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/632,782
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: D-
TELECOMMUNICATION INFORMATION:
TELEPHONE: 713/651-5325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Paul, Thomas D.
REGISTRATION NUMBER: 32,7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE: 713/c-
TELEPHONE: 713/651-5246
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                : 8 base pairs
nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Houston
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US-08-859-954-86
                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-859-954-86
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   0000
                                                                                                                     June 23, 2003, 04:53:08; Search time 10.9602 Seconds (without alignments) 195.867 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 86,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 51
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 1
Sequence 3
Patent No.
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Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Issued Patents NA:*
. /cgn2 6/ptodata/2/ina/5A COMB.seq:*
.: /cgn2 6/ptodata/2/ina/5B COMB.seq:*
.: /cgn2 6/ptodata/2/ina/6A COMB.seq:*
.: /cgn2 6/ptodata/2/ina/6B COMB.seq:*
.: /cgn2 6/ptodata/2/ina/PCTUS COMB.seq:*
.: /cgn2 6/ptodata/2/ina/PCTUS COMB.seq:*
.: /cgn2 6/ptodata/2/ina/PCTUS COMB.seq:*
                    GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-459-448A-49
US-08-899-786-10
US-08-459-595A-49
US-08-459-504B-49
US-08-459-444-49
US-09-424-518-1
US-09-547-422-49
PCT-US95-05265-28
US-08-93-383-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-281-418-93
US-09-404-430-3
US-08-254-811D-10
US-08-91-988A-39
5182195-35
US-08-332-747-4
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JS-08-363-240A-610
                                                                                                                                                                                                                                                                                                                                                                                      Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .08-311-760A-72
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                                                                                                                                                                                                                                                                                                                     441362 seqs, 153338381 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Post-processing: Listing first 45 summaries
                                                                                      nucleic search, using sw model
                                                                                                                                                                                                                                                                OLIGO NUC
Gapop 60.0 , Gapext 60.0
                                                                                                                                                                                           US-08-770-564A-12
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Match Length
                                                                                                                                                                                                                               1 GCTTCAG 7
                                                                                                                                                                                                                                                                                                                                                                                                                            Minimum DB seq length: 0
Maximum DB seq length: 50
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RESULT 4
US-08-459-448A-49
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                                  0; Gaps
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US-08-235-503B 28

Patent No. 5563036

GENERAL INFORMATION:
APPLICANT: Beterson, Michael G
APPLICANT: Batchwal, Vijay R
APPLICANT: Batchwal, Vijay R
APPLICANT: BATCHWAL, Vijay R
APPLICANT: BATCHWAL, Vijay R
APPLICANT: STANIONION: TRANSCRIPTION FACTOR-DNA ASSAY
NUMBER OF SEQUENCES: 75
CORRESPONDENCE ADDRESS:
STREET: 4 Benbarcadero Center, Suite 3400
CITY: San Francisco
STREET: California
COUNTRY: USA
COMPUTER READALE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: 190 CC COMPATIBLE
COMPUTER: 190 CC COMPATIBLE
COMPUTER: 190 CC COMPATIBLE
COMPATING SYSTEM: US/08/25,503B
FLING DATE: 29-AFR-1994
CLASSIFICATION: A35
CURRENT APPLICATION: A35
FLING DATE: 29-AFR-1994
CLASSIFICATION: NUMBER: 36,627
REGISTRATION: NUMBER: 36,627
TELECOMMUNICANION: (415) 200-23208
Best Local Similarity 100.0%; Pred. No. 3.6e+07; Matches 7; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.0%; Pred. No. 1.2
Matches 7; Conservative 0; Mismatches
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US-07-251-715A-49
; Sequence 49, Application US/07951715A
; Patent No. 5625136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFACURE (415) 388-3249
TELEX. 910 277299
INPORMATION FOR SEQ ID NO: 28;
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Koziel, Michael G.
Desai, Nalini M.
Lewis, Kelly S.
                                                                             1 GCTTCAG 7
                                                                                                                       1 GCTTCAG 7
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                                                                                                                                                                                             RESULT 2
US-08-235-503B-28
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APPLICANT: Recharch. Grewen J.
APPLICANT: Recharch. Grewen J.
APPLICANT: Recharch. Grewen J.
APPLICANT: Dunder, BTM. M.
APPLICANT: Bunder, BTM. M.
APPLICANT: Buttle, Janet L.
APPLICANT: Buttle, Marten, Stephen J.
APPLICANT: Buttle, Marten, Stephen J.
APPLICANT: Reader, Janet L.
APP
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100.0%; Score 7; DB 3; Length 10; 100.0%; Pred. No. 1.2e+04;
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STREET: Patent & Trademark Dept., 520 White Plains
STREET: Rd., POB 2005
CITY: Tarrytown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: SYNTHETIC DNA SEQUENCE HAVING ITILE OF INVENTION: INSECTICIDAL ACTIVITY IN MAIZE NUMBER OF SEQUENCES: 94
                                        MEDIUM TYPE: Diskette, 3 1/2 diskette, 1.44 MB COMPUTER: IBM pc compatible OPERATING SYSTEM: MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                 SOFTWARE: Wordperfect 8.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/899,786
                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/022,611
FILING DATE: 26-JULY-1996
ATTORNEY/AGENT INFORMATION:
NAME: BATTY J. SWAINSON:
REGISTRATION NUMBER: 33,215
REFERENCE/DOCKET NUMBER: UNI.07
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 49, Application US/08459595A Patent No. 6018104 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Rothstein, Steven
Bowman, Cindy G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Koziel, Michael G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Wright, Martha S.
Merlin, Ellis J.
Launis, Karen L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE: (303) 793-3333
TELEFAX: (303) 793-2433
INFORMATION FOR SEO ID NO: 10.
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Suttie, Janet L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Jawson, John L
Junder, Erik M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pace, Gary M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 10 base pairs
TYPE: nucleic acid
                 COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10591-9005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GCTTCAG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 6
US-08-459-595A-49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: Tar
STATE: Ne
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-899-786-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Š
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APPLICANT: Bowman, Cindy G.
APPLICANT: Dawson, John L.
APPLICANT: Dunder, Brik M.
APPLICANT: Pace, Gary M.
APPLICANT: Suttie, Janet L.
TITLE OF INVENTION: SYNTHETIC DNA SEQUENCE HAVING ENHANCED TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-899-786-10/c

| Sequence 10, Application US/08899786
| Patent No. 6001572
| Patent No. 6001572
| APPLICANT: Toothman, Penelope
| TITLE OF INVENTION: Method of Identifying Aloe Using
| YOMER OF SEQUENCES: 32
| CORRESPONDENCE ADDRESS:
| ADDRESSEE: Swanson & Bratschun, L.L.C. |
| STREET: 8400 E. Prentice Avenue, Suite 200 |
| CITY: Englewood | STATE: Colorado |
| STATE: COLORAGO |
                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: INSECTICIDAL ACTIVITY IN MAIZE THINGS INVENTION: INSECTICIDAL ACTIVITY IN MAIZE THINGS OF SEQUENCES: 94
CORRESPONDENCE ADDRESS:
ADDRESSE: No. 5859336artis Corporation
STREET: Rd., POB 2005
CITY: TATYTOWN
STATE: New York
COUNTRY: USA
ZIP: 10591-9005
COMPUTER: New York
COMPUTER: READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA: 800
PRICH OPERATION: 800
PRICH DATE: 02-UNH-1995
CLASSIFICATION: 800
PRICH DATE: 25-SEP-1992
PRICH DATE: 25-SEP-1992
PRICH DATE: 04-OCT-1991
ATTORNEY/AGENT INFORMATION:
NAME: PACE OF THE OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 100.0%; Score 7; DB 2; Length 10; Best Local Similarity 100.0%; Pred. No. 1.2e+04; Matches 7; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REPERENCE/DOKGET NUMBER: 40403
REFERENCE/DOKGET NUMBER: CGC 1577/CIP/DIV4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (919) 541-8582
TELEFAX: (919) 541-8689
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
TYPE: nuclein not and another second seco
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DESCRIPTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠ
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Sequence 49, Application US/0845944A
Patent No. 6121014
GENERAL INFORMATION:
APPLICANT: Koziel, Michael G.
Desai, Nalini M.
Lewis, Kelly S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear
MOLECULE TYPE: othe
DESCRIPTION: /der
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
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....ii Kramer, Vance C.
...ii Kramer, Vance C.
...ii Kramer, Vance C.
...erLICANT: Warren, Gregory W.
APPLICANT: Crossland, Lyle D.
APPLICANT: Wright, Martha S.
APPLICANT: Wright, Martha S.
APPLICANT: Martha, Stephen V.
APPLICANT: Martha, Steven J.
APPLICANT: Martha, Steven J.
APPLICANT: Bowman, Cindy G.
APPLICANT: Nature, Este M.
APPLICANT: Warther Dawy M.
APPLICANT: Nature, STWHETIC DNA SEQUENCE HAVING ENHANCED
TITLE OF INVENTION: SYWHETIC DNA SEQUENCE
ADDRESSEE: No. 6075185artis Corporation
STREET: 3054 Cornwallis Road
CITY: Research Triangle Park
COUNTRY: USA
ZIP: 27709
COMPUTER PP--
WENT
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,595A
FILING DATE: 02-UN-1995
CLASSIFICATION: 800
PRIOR APPLICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/951,715
FILING DATE: 25-8EP-1992
ATTORNEY AGENT INFORMATION:
NAME: Pace, Gary M.
REGISTRATION NUMBER: CGC 1577/CIP/DIV3
TELECOMMUNICATION INFORMATION:
NAME: Pace, Gary M.
REGISTRATION NUMBER: CGC 1577/CIP/DIV3
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: IN Dase pairs
TYPE: NUCLEAC acid
TYPE: NUCLEAC acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear MOLECULE TYPE: other nucleic acid DESCRIPTION: /desc = "primer C1 - second half"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
100.0%; Score 7; DB 3;
Best Local Similarity 100.0%; Pred. No. 1.2e+0
Matches 7; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 27709
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-459-504B-49; Sequence 49, Application US/08459504B; Patent No. 6075185; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 GCTTCAG 8
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NUMBER OF SEQUENCES: 94
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 6121014 arris Agribusiness Biotechnology Research, Inc. STREET: 3054 Cornwallis Road
CITY: Research Triangle Park
STATE: NC
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kramer, Variange C.

Warren, Gregory W.

By Stephen V.

Crossland Lyle D.

Wright, Marrha S.

Merlin, Ellis J.

Launis, Karen L.

ITLE OF INVENTION: NUCLEIC ACID CODING SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 7; DB 3; Length 10; 100.0%; Pred. No. 1.2e+04;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
COMPUTER READABLE FORM:
COMPUTER: IDOPY disk
COMPUTER: ISM PC COMPATIBLE
OPERATING SYSTEM: PC.DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
PILING DATE: 02-Jun-1995
CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
FILING DATE:
CLASSIFICATION:
CLASSIFICATION:
CLASSIFICATION:
PRIOR APPLICATION
PRIOR APPLICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/459,595
FILING DATE: 02-070-1995
FILING DATE: 02-070-1991
APPLICATION NUMBER: US 07/772,027
FILING DATE: 03-07772,027
FILING DATE: 04-077191
APPLICATION NUMBER: US 07/772,027
FILING DATE: 04-07710N:
APPLICATION NUMBER: US 07/772,027
FILING DATE: 04-1869
INFORMATION NUMBER: 38,241
REFERENCE/DOCKET NUMBER: GGL577/CIP/DIV
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
SEGURANCE (319)541-8689
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
STRAMDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     other nucleic acid
/desc = "primer C1 - second half"
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CORRESPONDENCE ADDRESS:
ADDRESSEE: NO. 6320100artis Agribusiness Biotechnology Research, Inc. STREET: 3054 Cornwallis Road
CITY: Research Triangle Park
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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GENERAL INFORMATION:
APPLICANT: TULBARIK, INC.
TITLE OF INVENTION: TRANSCRIPTION FACTOR-DNA BINDING ASSAY
NUMBER OF SEQUENCES: 74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 7; DB 4; Length 10; 100.0%; Pred. No. 1.2e+04; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear MOLECULE TYPE: other nucleic acid DESCRIPTION: /desc = "primer Cl - second half"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES: 74
CORRESPONDENCE ADDRESS:
ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
STREET: 4 Embarcadero Center, Suite 3400
                                                                                                                                                                             TITLE OF INVENTION: SYNTHETIC DNA SEQUENCE INSECTICIDAL ACTIVITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 08/459,595
FILING DATE: 02-JUN-1995
APPLICATION NUMBER: US 07/951,715
FILING DATE: 25-8EP-1992
APPLICATION NUMBER: US 07/772,027
FILING DATE: 04-OCT-1991
ATTONNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US/09/547,422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE DESCRIPTION: SEQ ID NO: 49:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Meigs, J. Timothy
REGISTRATION NUMBER: 38,241
REFERENCE/DOCKET NUMBER: S-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 11-Apr-2000
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                ZIP: 27709
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE: (919)541-8587
                                                                                         Crossland, Lyle D.
Wright, Martha S.
Merlin, Ellis J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (919)541-8689
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO: 49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: sing
                                                                                                                                                                                                                            NUMBER OF SEQUENCES: 94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
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                                                                                                                                                             Launis,
                                                                                                                                                                                                                                                                                                                                                                COUNTRY: USA
                                                                    Evola,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PCT-US95-05265-28
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TITLE OF INVESTION: A Method and a System for Nucleic Acid Sequence Analysis
Patent No. 6260710N: A Method and a System for Nucleic Acid Sequence Analysis
FILE REFERENCE: 45687-00004
CURRENT APPLICATION NUMBER: US/09/424,518
CURRENT PILING DATE: 1999-11-23
PRIOR PILING DATE: 1998-05-27
PRIOR PILING DATE: 1998-05-27
PRIOR FILING DATE: 1997-05-28
NUMBER OF SEQ ID NOS: 1
SOFTWARE: Patentin version 3.0
SEQ ID NO 1
LENGTH: 10
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                                   APPLICATION NUMBER: US 07/951,715
FILING DATE: 25-SEP-1992
APPLICATION NUMBER: US 07/772,027
FILING DATE: 04-0CT-1991
ATTORNEY/AGENT INFORMATION:
NAME: Meigs J. Timchy
REFERENCE/DOCKET NUMBER: S-18805/P1/CGC1577/CIP/DIV6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 10;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
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                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "primer Cl - second half"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 3; Le
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .2e+04;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HYPOTHETICAL: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 49:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 7;
100.0%; Pred. No.
                                                                                                                                                                                                                       TELECOMMUNICATION INFORMATION:
TELEPHONE: (919)541-8587
<Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-547-422-49
; Sequence 49, Application US/09547422
; Patent No. 6320100
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Koziel, Michael G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 1, Application US/09424518
Patent No. 6260034
                                                                                                                                                                                                                                                                  TELEFAX: (919)541-8689
INFORMATION FOR SEQ ID NO: 49:
                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Desai, Nalini M.
                     PRIOR APPLICATION DATA:
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Best Local Similarity 100.0
Matches 7; Conservative
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Best Local Similarity 100.
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -09-424-518-1/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-459-444-49
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US-08-811-949-9

Sequence 9, Application US/08811949

Patent No. 5840533

GENERAL INFORMATION:
APPLICANT: NIWA, MINED
APPLICANT: SAITO, YOSHIMASA
APPLICANT: ASACHI, HITOGHI
APPLICANT: NOTANI, HITOGHI
APPLICANT: NOTANI, JOUJI
APPLICANI
CORRESPONDENCE OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADI, ADDRESSEE: D.
CORRESPONDENCE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADI, ADDRESSEE: P. C.
CREET OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADI, ADDRESSEE: P. C.
CREET OBLON, SPIVAK, MCCLELLAND, WAIER & NEUSTADI, ADDRESSEE: P. C.
CREET OBLON, SPIVAK, MCCLELLAND, WAIER & NEUSTADI, ADDRESSEE: P. C.
CREET OBLON, SPIVAK, MCCLELLAND, WAIER & NEUSTADI, ADDRESSEE: P. C.
CREET OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADI, ADDRESSEE: P. C.
CREET OBLON, SPIVAK, MCCLELLAND, WAIER & NEUSTADI, ADDRESSEE: P. C.
CREET OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADI, ADDRESSEE: P. C.
CREET OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADI, ADDRESSEE: P. C.
CREET OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADI, ADDRESSEE: P. C.
CREET OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADI, ADDRESSEE: P. C.
CREET OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADI, ADDRESSEE: P. C.
CREET OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADI, ADDRESSEE: P. C.
CREET OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADI, MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MDIUM TYPE: Floppd disk
MEDIUM TYPE: Floppd disk
MEDIUM TYPE: Floppd disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
SOFTWARE: PAPLICATION DATA:
APPLICATION NUMBER: US/08/811,949
ATTORNEY/AGENT INPORMATION:
MAME: OBLOW, NORMAN FO:
REGISTRATION NUMBER: 24,618
REGISTRATION NUMBER: 18-966-0
TELECOMMUNICATION INPORMATION:
TRIEDEDOMUNICATION INPORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 7; DB 1;
100.0%; Pred. No. 1.2e+
tive 0; Mismatches
                                  APPLICATION.NUMBER: 06/632361
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/303687
FILING DATE: 18-5EP-1981
ATTORNEY/AGENT INFORMATION:
NAME: JOHNEROF, Sean A.
REGISTRATION NUMBER: P35,910
REFERENCE/DOCKET NUMBER: 46C4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225.3562
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 100.
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: 415/952-9681
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
LENGTH: 11 bases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEPHONE: 703-413-220
TELEFAX: 703-413-2220
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-093-383-16
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STRANDEDNESS: single
PRIOR APPLICATION DATA:
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| Sequence 16, Application US/08093383
| Patent No. 5489529
| GENERAL INFORMATION:
| APPLICANT: DeBoer, Herman A. APPLICANT: Beylever, Herbert L. APPLICANT: Beylever, Herbert L. APPLICANT: Beylever, Herbert L. APPLICANT: Seeburg, Peter H. TITLE OF INVENTION: DNA for Expression of Bovine Growth Hormone CORRESPONDENCE ADRESS: 30
| COUNTRY: USA Bruno Blvd CITY: South San Bruno Blvd CITY: California COUNTRY: USA CO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 10;
                                                                     COUNTIER READABLE FORM:
MEDULM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/05265
FILING DATE: PRICATION DATA:
PRIOR APPLICATION NUMBER: PCT/US95/05265
FILING DATE: PRICATION DATA:
PRIOR APPLICATION NUMBER: US 08/235,503
FILING DATE: 29-APR-1994
ATTORNEY AGENT INFORMATION:
REFERENCE/DOCKET NUMBER: 36,627
REGISTRATION NUMBER: 36,627
REGISTRATION NUMBER: PF-59232-PC/RAO
TELECOMMUNICATION INFORMATION:
TELEFONNEY: (415) 781-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (415) 398-3249
TELEFAX: (415) 398-3249
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
PCT-US95-05265-28
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Best Local Similarity 100.
Matches 7; Conservative
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Sequence 16. 36

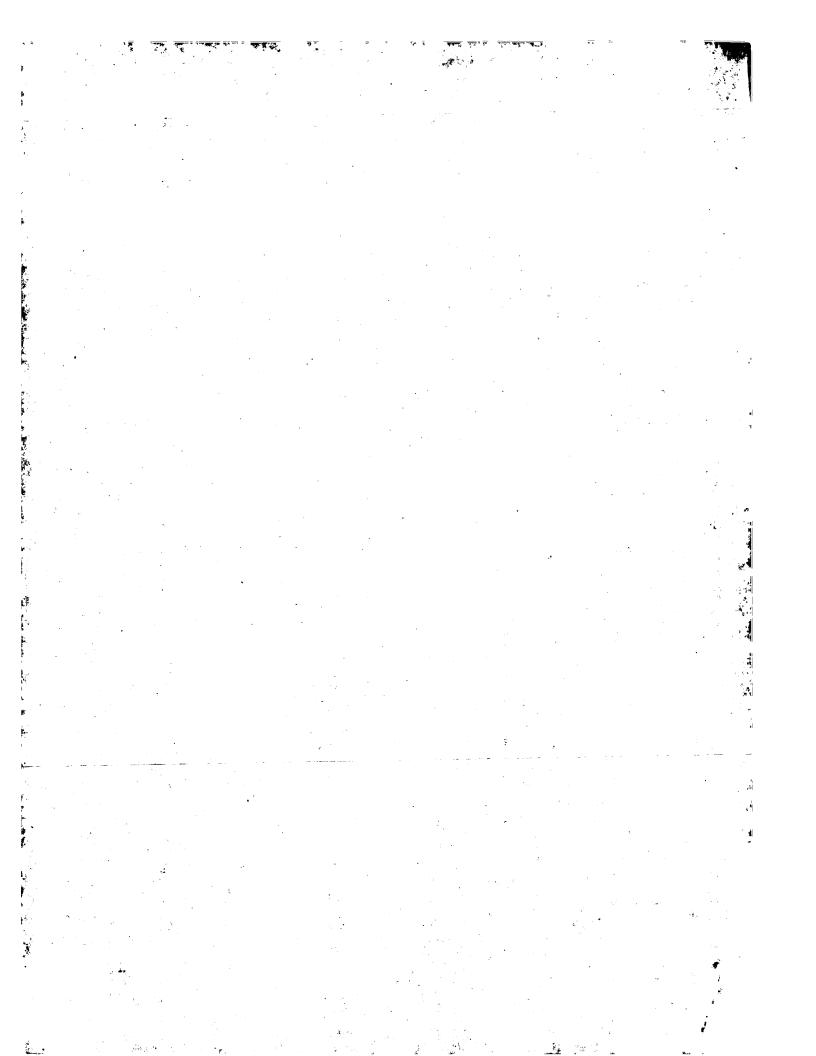
Sequen
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; OTHER INFORMATION: Description of Artificial Sequence: No. 6350853el Sequence
US-09-404-430-3
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APPLICANT: Neilsen, Helle
TITLE OF INVENTION: Conjugated Peptide Nucleic Acids Having Enhanced
TITLE OF INVENTION: Collular Uptake
FILE REFERENCE: ISIS4181
CURRENT APPLICATION NUMBER: US/09/404,430
CURRENT FILING DATE: 1999-09-23
PRIOR FILING DATE: 1998-05-28
NUMBER OF SEQ ID NOS: 5
SOFTWARRE PATENTIN VOR: 2.1
SEQ ID NO 3
LENGTH: 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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                                                                                                                                                                                    Query Match 100.0%; Score 7; DB 2; Length 11; Best Local Similarity 100.0%; Pred. No. 1.2e+04; Matches 7; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
: DESCRIPTION: /desc = "SYNTHETIC OLIGONUCLEOTIDE"
US-08-811-949-9
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nes 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
COTHER INFORMATION: Primer
US-09-281-418-93
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 GCTTCAG 7 | | | | | | | | 4 GCTTCAG 10
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2 GCTTCAG 8
                                                                                                                                                                                                                                                                                                                                             1 GCTTCAG 7
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US-09-281-418-93
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100.0%; Score 7; DB 4; Length 12;

Query Match

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Gaps
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              0; Indels
    Pred. No. 1.2e+04;
100.0%; Prec. ...
   Best Local Similarity 100.
Matches 7; Conservative
                                                 5 GCTTCAG 11
                                   1 GCTTCAG 7
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Search completed: June 23, 2003, 10:17:08 Job time : 11.9602 secs



Human PHKG2 prefer Human ISL1 gene AS Transcript tag DNA Human ETPB primer-Murine CS7BL/6 SAG

Scoring table:

Word size :

Database

Result No.

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0 0 0 0 0

Searched:

score:

Title: Perfect

Sequence:

nucleic

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Run on:

Human skin stress/ Human bax CCCGGG m Microbe detection Organic material d Pig costimulatory Microbial SSC-PCR Oligonucleotide de Primer used to ill

Human G protein-co Human PHKG2 prefer Human PHKG2 prefer

CYP27A1 gene gene polymor gene polymor

Human SCN2B SCN2B

NORF gene SA NORF gene SA NORF gene SA NORF gene SA NORF gene SA

Yeast Yeast

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PCR primer, B13, u PCR primer H-AP34. TdT-expressing Ram Human p-Liv PCR pr

Antisense oligonuc Oestrogen receptor Oestrogen receptor

GRRH(Hiss, Trp7, Tyr Mouse B7-2 hammerh Mouse B7-1 hammerh Mouse B7-1 hammerh

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Characterisation of nucleotide sequences using primer pairs - by PCR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3'-primer used for characterisation of human biological samples
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ALIGNMENTS
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AAZ41732
                                                                                                              ABA98386
ABA98387
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AAA54551
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AAX65187
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAT09588 standard; DNA; 8
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  WPI; 1996-010958/01.
Lopez-Nieto CE,
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| SIDSZ/gcgdata/geneseq_ennseqn-embl/NA1980.DAT:*
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              GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                 Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                         2185239 segs, 1125999159 residues
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                                                                    nucleic search, using sw model
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AAT09466
AAA80773
AAV20924
AAA95165
AAA79061
AAZ82243
AAZ82243
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Gapop_60.0 , Gapext 60.0
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Maximum DB seq length: 50
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Length 8;

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Sequence 8 BP; 2 A; 2 C; 3 G; 1 T; 0 other;
              Query Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                      Arabidopsis thaliana.
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(HARD/) HARDIN S H.
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                                                                                                                                                      RESULT 3
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                                                                The S'-primers AAT09358-508, and the 3'-primers AAT09509-659, which target human protein coding regions, together comprises a PCR primer kit with 1361 possible primer pairs. The kit is used in a new method for the characterisation of nucleic acid sequences obtd. from human biological samples, which comprises PCR amplification and indexing of the prodes. w.r.t the primer pair that bybridised to tes delineating subsequences. The method may be used in the identification, cloning and analysis of genes, e.g. in genome mapping, and disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The 5'-primers AAT09358-508, and the 3'-primers AAT09509-659, which target human protein coding regions, together comprise a PCR primer kit with 1361 possible primer pairs. The kit is used in a new method for the characterisation of nucleic acid sequences obtd. from human biological samples, which comprises PCR amplification and indexing of the prods. W.r. the primer pair the hypridised to its delineating subsequences. The method may be used in the identification, cloning and analysis of genes, e.g. in genome mapping, and disease
                                                                                                                                                                                                                                  Query Match
100.0%; Score 7; DB 17; Length 8;
Best Local Similarity 100.0%; Pred. No. 2.6e+08;
Matches 7; Conservative 0; Mismatches 0; Indels 7 0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Characterisation of nucleotide sequences using primer pairs - by PCR amplification and indexing of amplification prods. w.r.t. primers used for genome mapping and disease diagnosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5'-primer; human; protein coding region; PCR primer kit;
characterisation; biological samples; PCR amplification; indexing;
identification; cloning; analysis; genes; genome mapping;
disease diagnosis; sa
amplification and indexing of amplification prods. w.r.t. primers used for genome mapping and disease diagnosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5'-primer used for characterisation of human biological samples.
                                                                                                                                                                                                          Sequence 8 BP; 1 A; 3 C; 2 G; 2 T; 0 other;
                                          Disclosure; Page 19; 72pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (BGHM ) BRIGHAM & WOMENS HOSPITAL.
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AAT09466/c
ID · AAT09466 standard; DNA; 8 BP.
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                                                                                                                                                                                                                                                                                           1 GCTTCAG 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                This invention describes a novel method for sequencing an unknown DNA molecule which comprises selecting a library primer from an octamer oligonucleotide library consisting of 48 B-bp sequences and corresponding complementary consisting of 48 B-bp sequences and corresponding complementary constended where the library primer is complementary to a known sequence where the library primer is complementary to a known sequence to the unknown sequence or is useful for DNA nucleotide sequencing, in PCR, and in other processes which make use of primers. The octamers are used to identify coding sequences. Primer walking the octamer libraries is advantageous over other sequencing methods because it does not require multiple cloning steps nor subsequent template preparations, and it is a directed and methodical approach. AAA80688-A81253 represent the octamer primers used in the primer walking method of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequencing an unknown DNA molecule for the polymerase chain reaction and other primer processes comprises primer walking of octamer oligonucleotides
                                                                      Gaps
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                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Primer walking; octamer; primer; DNA sequencing; PCR; ss.
100.0%; Score 7; DB 17; I
100.0%; Pred. No. 2.6e+08;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A. thaliana primer walking octamer SEQ ID NO: 86.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 8; Column 67-68; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Hardin PE, Hardin SH, Homayouni R;
                                                                                                                                                                                                                                                                                                                                                                            AAA80773 standard; DNA; 8 BP.
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Best Local Similarity 100...
7; Conservative
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AAV20924/c
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AAV20924;

Synthetic.

Aloe sp.

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The present invention relates to polymorphic variants of the tumour necrosis factor receptor 1 (TWRR1) gene. The sequence of the gene is given in AAA95102, AAA95103 and AAA95104. The polymorphisms were identified by amplifying and sequencing regions of the gene. Twelve polymorphic loci were discovered. Of these twelve polymorphisms, four can cause a change in the TWR1 protein. The present sequence is the terminal sequence of a primer used for detection of a TWR1 gene polymorphism by primer extension. The TWR1 polymorphisms may be useful for studying the biological function of TWR1 as well as for identifying drugs targeting the protein for treatment of disorders related to its abnormal expression or function such as tumours,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Polynucleotides comprising polymorphic variants of a reference sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           for tumour necrosis factor receptor 1 (TNFR1), useful for studying the biological function of TNFR1 and identifying drugs targeting the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SAGE tag; serial analysis of gene expression; antigen-presenting cell; APC; monocyte-derived dendritic cell; differential gene expression; immunostimulatory cofactor; costimulatory factor; CTL;
                                                        Primer #12 for detection of TNFR1 polymorphism by primer extension.
                                                                                                   TNFR1; tumour necrosis factor receptor; polymorphism; human; tumour; cancer; apoptosis; bacterial infection; primer; primer extension; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 7; DB 21; Length 10; 100.0%; Pred. No. 9.6e+04;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       apoptosis related disorders and bacterial infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Chew A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human dendritic cell SAGE tag, SEQ ID NO:226.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 10 BP; 2 A; 2 C; 3 G; 3 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 15; Page 21; 79pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein for treating disorders
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENAISSANCE PHARM INC.
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     12.-JAN-2001 (first entry)
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SCHULZ V P.
STEPHENS J C.
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                                                                                                                                                                                                           Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present sequence represents an Aloe specific universal PCR primer from the present invention. The present invention describes a method for identifying Aloe using polymerase chain reaction (PCR). The method comprises: (a) extracting DNA from a sample containing Aloe; (b) amplifying the DNA using PCR, and (c) comparing the sequence of the amplified DNA obtained from PCR with the sequence of DNA obtained from a known sample of Aloe. Also described are: (i) a mucleotide sequence comprising sequences given in the specification or a fragment; (2) a method for differentiating between different species of Aloe comprising: (a) extracting DNA from an unknown sample containing Aloe, and (b) amplifying the DNA by PCR using primers specific for a particular species of Aloe, and (3) a method for determining the amount of Aloe present in a mixture comprising: (a) extracting DNA from an unknown sample with internal controls for recovery of DNA, and (b) simulteneous amplification of DNA with primers specific to a particular Aloe species and amplification of non-homologous DNA added to a sample to internally quantify the amplification. The methods can be used for detecting and assaying Aloe in samples and for differentiating between different species of Aloe. The Aloe compounds have diverse biological activities, including anti-tumour activity, anti-acid activity, anti-diang anti-dianeous activity.
                                                                                                                                                                                                   Aloe; detection; indentification; amplification; PCR primer; antioxidant; differentiation; anti-tumour; anti-diabetic; tyrosine inhibiting; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Detection and assay of Aloe - by extraction of DNA from a sample and amplification by polymerase chain reaction using primers specific for Aloe.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        activity, tyrosine inhibiting activity and antioxidant activity
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                                                                                                                                                   Aloe specific universal PCR primer OPAE-10.
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AAA95165/c
ID AAA95165 standard; DNA; 10 BP.
AAV20924 standard; DNA; 10 BP
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                                                                                                     07-JUL-1998 (first entry)
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Gaps

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0; Indels

cytotoxic T-lymphocyte; tumour antigen; immunotherapy; anticancer; ss

AAA95165;

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Isolated polynucleotides differentially expressed in antigen-presenting cells, useful in gene vaccines against cancer
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                                                                                                                                                                                                    98US - 0089833 .
98US - 0089844 .
98US - 0089878 .
98US - 0089991 .
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98US - 0089994 .
98US - 0089997 .
98US - 009000 .
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98US - 009004 .
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98US-0111715
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(ROBE/) ROBERTS B L.
(SHAN/) SHANKARA S.
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                                                                WO9965924-A2.
                        Homo sapiens.
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expression of these genes. Detection of the dendritic cell differentially expressed genes, or of their encoded proteins, can be used to identify cells as belonging to the monocyte lineage. Cells containing these genes can be used in active immunotherapy (or to stimulate production of a population of antigen-specific effector cells) and vectors containing them are used in gene therapy. (or administration of tumour antigens and APC-associated costimulatory factors ensures adequate antigen presentation to endogenous APCs and upregulates the APCs for the presentation of co-stimulatory signals, migration to T cell growth factors and secretion of chemokines for recruitment of immune effector cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SAGE tag, serial analysis of gene expression, antigen-presenting cell, APC; monocyte-derived dendritic cell, differential gene expression; immunostimulatory cofactor; costimulatory factor; CTL; cytotoxic T-lymphocyte; tumour antigen; immunotherapy; anticancer; ss.
                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 100.0%; Pred. No. 9.6e+04;
Matches 7; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human dendritic cell SAGE tag, SEQ ID NO:1449.
                                                                                                                                                                                                                                                                                                                              Sequence 10 BP; 3 A; 2 C; 2 G; 3 T; 0 other;
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AAZ79021/c
ID AAZ79021 standard; DNA; 10 BP.
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98US - 0089844
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98US - 0089004
98US - 0090042
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98US - 0090043
98US - 0090044
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19-JUN-1998;
19-JUN-1998;
19-JUN-1998;
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AAZ83879
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                                                                                                                                                                                                                                                       Sequences AA277573-279709 represent SAGE (serial analysis of gene expression) tags used to identify mRNA transcripts encoding immunostimulatory cofactor proteins which are preferentially or differentially expressed in monocyte-derived dendritic cells compared with monocytes. Some of the transcripts correspond to known genes or ESTS (expressed sequence tags) which were previously unknown to be preferentially or differentially expressed in dendritic cells, while cother transcripts correspond to novel genes. Antigen-presenting cell cother transcripts correspond to novel genes. Antigen-presenting cell cother transcripts correspond to novel genes. Antigen-presenting cell cother activation of the cytocoxil immune response, particularly against tumour cells, immunostimulatory coffactors is alone insufficient to activate a robust cytocoxic immune response that can complex) and subsequent recognition by T-cell receptors is alone insufficient to activate a robust cytocoxic T-lymphocytes (CTLS). Nucleic acid for efficient activation of cyclocatic T-lymphocytes (CTLS). Nucleic acid sequences identified using the SAGE tags have several potential uses. They may be used in vaccines to induce an immune response, particularly against a tumour antigen; to modulate the genotype of an APC; to screen for against a tumour antigen; to modulate the genotype of an APC; to screen for an APC; and as hybridisation probes/amplification primers for the dagnosis, prognosis and monitoring of differentially expressed genes. Or of their encoded processed genes to containing of the monocyte lineage. Cells containing them are used in gene therapy. Co-administration of the presentation of antigen special or setting as belonging to the monocyte lineage. Cells containing them are used in gene therapy. Co-administration of containing them are used in gene therapy. Co-administe the presentation of co-stimulatory signals, migration to chemokines for the presentation of co-stimulatory signals, migration of chemokines for the containing them are not an e
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                                                                                                                                                                               Isolated polynucleotides differentially expressed in antigen-presenting cells, useful in gene vaccines against cancer -
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    secretion of T cell growth factors and secretion of chemokines for recruitment of immune effector cells.
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98US-0090080.
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Best Local Similarity 100.
Matches 7; Conservative
                                                                                                               Shankara S;
                                              (GENZ ) GENZYME CORP.
(ROBE/) ROBERTS B L.
(SHAN/) SHANKARA S.
                                                                                                                                              WPI; 2000-106077/09.
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19-JUN-1998;
08-DEC-1998;
                                                                                                               Roberts BL,
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transcripts that are preferentially transcribed in the metastatic breast transcripts that are preferentially transcribed in the metastatic breast tumour tissue (i.e. are upregulated in metastatic breast tumour cells).

AAZ83942 to AAZ86677 represent tags corresponding to distinct transcripts that are preferentially transcribed in the primary or non-metastatic breast tumour cells. These transcripts can be used for diagnosis, prognosis, monitoring and treatment of breast cancer, particularly where metastatic biagnosis is by standard immunoassays or hybridisation/amplification carteactions. Compounds that modulate expression of the transcripts are potentially useful for treatment of (metastatic) breast cancer, while promoters from the transcripts are used to direct expression, in selected sequences, particularly an antigen-encoding sequence for use in gene or cell types, of e.g. therapeutic genes (also ribozymes or antisense sequence), particularly an antigen-encoding sequence for use in gene or cell-based vaccines, for diagnosing breast cancer and for raising useful in vaccines; for diagnosing breast cancer and for raising therapeutic agents. Host cells that produce the polypeptides can be used to expand and isolate populations of educated, antigen-specific immune effecter cells, e.g. cytotoxic T lymphocytes, and these used for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Isolated polynucleotides differentially expressed between metastatic and non-metastatic breast cancer cells, useful for diagnosis,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  prevention and treatment of cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 1; Page 98; 219pp; English.
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98US-0090039.
98US-0090040.
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Homo sapiens.
                                                        WO9965928-A2
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19-JUN-1998;
19-JUN-1998;
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AAF33630 standard; DNA; 10 BP.
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98US-0089997.
98US-0090039.
98US-0090040.
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                                                                                                                                                                                                                                                                                                        Roberts BL, Shankara S;
                                                                                                                                                                                                                                                (GENZ ) GENZYME CORP. (ROBE/) ROBERTS B L. (SHAN/) SHANKARA S.
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19-JUN-1998;
19-JUN-1998;
19-JUN-1998;
19-JUN-1998;
                                                                  Homo sapiens
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                                                                                                                                            18-JUN-1999;
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AAF33630/C
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AAZ83942 to AAZ86677 represent tags corresponding to distinct transcripts that are preferentially transcribed in the primary or non-metastatic breast tumour tissue (i.e. are downregulated in metastatic breast tumour tissue (i.e. are downregulated in metastatic breast tumour tissue (i.e. are downregulated in metastatic breast tumour cells). These transcripts can be used for diagnosis, prognosis, monitoring and treatment of breast cancer, particularly where metastatic. Companies is by standard immunoassays or hybridisation/amplification reactions. Compounds that modulate expression of the transcripts are potentially useful for treatment of (metastatic) breast cancer, while promoters from the transcripts are used to direct expression, in selected the transcripts are used to direct expression, in selected cell-based vaccines. Polypeptides encoded by the transcripts are also useful in vaccines; for diagnosing breast cancer and for raising specific antibodies (Ab). Ab are used to detect the polypeptides or as therapeutic agents. Host cells that produce the polypeptides or as therapeutic agents. Host cells that produce the polypeptides or as therapeutic agents. Host cells that produce the polypeptides or as defecter cells, e.g. cytotoxic T lymphocytes, and these used for mmunotherapy.
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                                                                                                                                                                                                                                                                                                                                Isolated polynucleotides differentially expressed between metastatic and non-metastatic breat cancer cells, useful for diagnosis, prevention and treatment of cancer -
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non-metastatic breast tumour tissue; gene therapy; anticancer; antimetastatic; vaccine; diagnosis; ss.
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Best Local Similarity 100.0%; Pred. No. 9.6e+04;
Matches 7; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                     Claim 1; Page 142; 219pp; English.
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98US-0089997.
98US-0090039.
98US-0090040.
                                                                                                                   99WO-US13647
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                                                                                                                                                                                                                                                                               Roberts BL, Shankara S;
                                                                                                                                                                                                                         (GENZ ) GENZYME CORP.
(ROBE/) ROBERTS B L.
(SHAN/) SHANKARA S.
                                                                                                                                                                                                                                                                                                      WPI; 2000-106079/09.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 GCTTCAG 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3 GCTTCAG 9
                                         Homo sapiens.
                                                                  WO9965928-A2.
                                                                                                                                            19-JUN-1998;
19-JUN-1998;
19-JUN-1998;
19-JUN-1998;
19-JUN-1998;
                                                                                                                     18-JUN-1999;
                                                                                           23-DEC-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAZ85548;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAZ85548
 8X4X8
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transcripts that are preferentially transcribed in the metastatic breast transcripts that are preferentially transcribed in the metastatic breast tumour tissue (1.e. are upregulated in metastatic breast tumour cells).

AA28342 to AA28667 represent tags corresponding to distinct transcripts that are preferentially transcribed in the primary or non-metastatic breast tumour cells). These transcripts are downregulated in metastatic breast tumour cells). These transcripts are downregulated in metastatic breast tumour cells). These transcripts are breast cancer, particularly where metastatic. Diagnosis is by standard immunosasys or hybridiaation/amplification reactions. Compounds that modulate expression of the transcripts are potentially useful for treatment of (metastatic) breast cancer, while promoters from the transcripts are used to direct expression, in selected cell-based vaccines. For therapeutic genes (also ribozymes or antisense cell-based vaccines) for diagnosing breast cancer and for tasing specific antibodies (Ab). Ab are used to detect the polypeptides or as therapeutic agents. Host cells that produce the polypeptides or as therapeutic agents. Host cells that produce the polypeptides or as therapeutic agents. Boblypetides or antigen-specific immune effecter cells, e.g. cyctoxic T lymphocytes, and these used for ammunotherapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Isolated polynucleotides differentially expressed between metastatic and non-metastatic breast cancer cells, useful for diagnosis, prevention and treatment of cancer -
Human, metastatic breast tumour tissue; breast cancer; tag; primer; non-metastatic breast tumour tissue; gene therapy; anticancer; antimetastatic; vaccine; diagnosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 10 BP; 1 A; 2 C; 4 G; 3 T; 0 other;
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Yeast; Saccharomyces cerevisiae; characterisation; cell cycle; NORF; nor previously assigned open reading frame; nonannotated ORF; SAGE; sactial analysis of gene expression; antifungal; tag; identification; linker; PCR primer; ds.

Saccharomyces cerevisiae.

Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:2641.

23-MAR-2001 (first entry)

AAF35902;

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The present invention describes an isolated DNA molecule comprising a coding sequence of a yeast gene selected from a group of 745 NORF (not previously assigned open reading frame, or nonamnotated ORF) genes comprising a SAGE (serial analysis of gene expression) tag. Also described are: (1) a method (M1) of using NORF genes to affect the cell cycle comprising a diministering a NORF gene whose expression varies by at least 10% between any two phases of the cell cycle selected from log phase, S phase and G2/M; (2) a method (M2) for screening candidate artifungal drugs comprising: (a) contacting a test substance with a yeast cell; and (b) monitoring expression of a NORF gene whose expression varies as in M1, where a test substance which modifies the expression comprising contacting human DNA with a probe which comprises to require the yeast gene is a candidate antifungal drug; (3) a method (M3) for identifying a candidate drug as a method (M4) for identifying a candidate drug as a method (M4) for identifying a candidate drug as a method (M4) for identifying a candidate drug as a method (M4) for identifying a candidate drug as a candidate drug and monitoring expression in the yeast cell with a candidate drug and monitoring expression in the yeast cell of at least 1 NORF gene whose expression is affected by the class of the cell cycle, the differentially expressed genes may be used as markers of phases of the cell cycle, the cell cycle and for study, monitor and affect phases of the cell cycle, the cell cycle is the cell cycle and for identify candidate drugs which and for a defect the cell cycle, the cell cycle, the cell cycle, the cell cycle is density and end for identify candidate drugs which and a defect the cell cycle, the cell cycle, the cell cycle, the cell cycle is density and end of an end of a cycle, and a condidate drug and end to identify candidate drugs which a cycle, the cell cycle, the cell cycle, the cycle is density to the cycle of the cycle is the cycle of the cycle of the cycle of the cycle of th
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1 to AAF44064 represent SAGE tags used in the exemplification of sent invention. AAF33262 to AAF33267 represent linkers and PCR used in the SAGE method, in the exemplification of the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Yeast gene coding sequences comprising NORF genes with serial analysis of gene expression (SAGE) tags, useful for studying, monitoring and affecting phases of the cell cycle -
                                                                             Yeast; Saccharomyces cerevisiae; characterisation; cell cycle; NORF; nor previously assigned open reading frame; nonannotated ORF; SAGE; serial analysis of gene expression; antifungal; tag; identification;
                         Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:369.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Kinzler K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 1; Page 388; 419pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Vogelstein B,
                                                                                                                                                                                                                                                                                                                                                                                       14-JUN-2000; 2000WO-US16223.
                                                                                                                                                                                                                                                                                                                                                                                                                                          99US-0335032
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              UNIO ) UNIV JOHNS HOPKINS
                                                                                                                                                                                                                    Saccharomyces cerevisiae
                                                                                                                                                                      linker; PCR primer; ds.
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                                                                                                                                                                                                                                                                          WO200077214-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Velculescu V,
                                                                                                                                                                                                                                                                                                                                                                                                                                          16-JUN-1999;
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invention
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                                                               Gaps
                                                               ;
                                 Length 10;
                                                            0; Indels
                               DB 22; L 9.6e+04;
Sequence 10 BP; 4 A; 2 C; 3 G; 1 T; 0 other;
                                                             0; Mismatches
                            Query Match 100.0%; Score 7; Best Local Similarity 100.0%; Pred. No. Matches 7; Conservative 0; Mismatcl
                                                                                                                                                                   RESULT 12
AAF35902/c
ID AAF35902 standard; DNA; 10
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described are: (1) a method (M1) of using NORF genes to affect the cell described are: (1) a method (M1) of using NORF genes to affect the cell cycle comprising administering a NORF gene whose expression varies by at least 10% between any two phases of the cell cycle selected from log phase, S phase and G2/M; (2) a method (M2) for screening candidate antifungal drugs comprising: (a) contacting a test substance with a cycast cell; and (b) monitoring expression of a NORF gene whose expression of the yeast gene is a candidate antifungal drug; (3) a method (M3) for identifying human genes which are involved in cell cycle cyclession comprising contacting human DNA with a probe which comprises at least 10 contiguous nucleotides of a NORF gene whose expression is a method (M4) for identifying a candidate drug as a lember of a class of drugs having a characteristic effect on gene expression in a yeast cell comprising contacting a yeast cell with a candidate drug and monitoring expression in the yeast cell of at least 10 NORF gene whose expression is affected by the class of drugs. The NORF contacting a yeast cell of at least 10 NORF contacting a yeast cell of at least 10 NORF contacting a yeast cell of a least 10 NORF contacting and monitoring expression in the yeast cell of at least 10 NORF contacting and page NORF contacting and page NORF contacting and page NORF contacting expression is affected by the class of drugs. The NORF contacting and page NORF contacting and page NORF contacting and page NORF contacting expression is affected by the class of drugs. The NORF contacting and page NORF contactin
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Yeast gene coding sequences comprising NORF genes with serial analysis of gene expression (SAGE) tags, useful for studying, monitoring and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present invention describes an isolated DNA molecule comprising a coding sequence of a yeast gene selected from a group of 745 NORF (not previously assigned open reading frame; or nonannotated ORF) genes
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100.0%; Pred. No. 9.6e+04;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 10 BP; 4 A; 2 C; 3 G; 1 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Velculescu V, Vogelstein B, Kinzler K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               of gene expression (SAGE) tags, use
affecting phases of the cell cycle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example; Page 94; 419pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14-JUN-2000; 2000WO-US16223.
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Best Local Similarity
Matches 7; Conserv
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The present invention describes an isolated DNA molecule comprising a coding sequence of a yeast gene selected from a group of 745 NORF (not previously assigned opper reading frame, or nonannocated ORF) genes comprising a SAGE (serial analysis of gene expression) tag. Also described are: (1) a method (M1) of using NORF genes to affect the cell cycle comprising administering a NORF gene whose expression varies by at least 10% between any two phases of the cell cycle selected from log phase, S phase and G3/M; (2) a method (M2) for screening candidate antifungal drugs comprising: (a) contacting a test substance with a versession varies as in M1, where a test substance which modifies the expression of the yeast gene is a candidate antifungal drug; (3) a method (M2) for identifying human genes which are involved in cell cycle progression comprising contacting human DNA with a probe which comprises at least 10 contiguous nucleotides of a NORF gene whose expression varies as in M1; and (4) a method (M4) for identifying a candidate drug as a sin M1; and (4) a method (M4) for identifying a read cell cycle expression in a yeast cell comprising contacting a yeast cell of at least 10 contiguous nucleotides of a NORF gene whose expression varies as in M1; and (4) a method (M4) for identifying a candidate drug as a candidate drug and monitoring expression in the yeast cell comprise confidence of a defect phases of the cell cycle, The method may be used to identify candidate drugs which a ffect the cell cycle and for identification of antifungal drugs which in the present invention. AAP33267 represent linkers and PCR in the present invention. AAP33267 represent linkers and PCR privention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Yeast gene coding sequences comprising NORF genes with serial analysis of gene expression (SAGE) tags, useful for studying, monitoring and affecting phases of the cell cycle -
                                                                                                                                                                                                                                                                                                                                                                    Yeast, Saccharomyces cerevisiae, characterisation, cell cycle, NORF; nor previsously assigned open reading frame, nonannotated ORF; SAGE; serial analysis of gene expression; antifungal; tag; identification; linker; PCR primer; ds.
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                                                                                                                                                                                                                                                                                              Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:2931.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Velculescu V, Vogelstein B, Kinzler K;
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                                                                      AAF36192 standard; DNA; 10 BP.
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                                                                                                                                                                                                                       23-MAR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Saccharomyces cerevisiae.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO200077214-A2.
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                                                                                                                                                 AAF36192;
RESULT 13
                                            AAF36192
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The present invention describes an isolated DNA molecule comprising a coding sequence of a yeast gene selected from a group of 745 NORF (not previously assigned opper reading frame, or nonannotated ORF) genes comprising a sasigned opper reading frame, or nonannotated ORF) genes comprising a sasigned opper reading frame, or nonannotated ORF) genes comprising a main series of gene whose expression varies by at certain some pases of the cell cycle selected from log phase, S phase and G3/M; (2) a method (M2) for screening candidate comprising; (a) contacting a test substance which a yeast cell; and (b) monitoring expression of a NORF gene whose expression of the yeast gene is a candidate antifungal drugs comprising; (a) contacting a test substance which expression of the yeast gene is a candidate antifungal drug; (3) a method (M3) for identifying human genes which are involved in cell cycle expression of the yeast gene is a candidate antifungal drug; (3) a method (M3) for identifying numan genes which are involved in cell cycle at least 10 contiguous nucleotides of a NORF gene whose expression varies at in M1; and (4) a method (M4) for identifying a candidate drug as a candidate drug as a in M1; and (4) a method (M4) for identifying a candidate drug as a candidate drug as a defidered rug and monitoring expression in the yeast cell of at least 10 NORF gene whose expression is a ffected by the class of the cell cycle, confidere drug and monitoring expression in the yeast cell of at least 10 NORF gene whose expression is a ffected by the class of the cell cycle, confidered may be used to identify candidate drugs which the cell cycle and for identification of antification of the present invention. AAP33267 represent linkers and PCR privention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Yeast gene coding sequences comprising NORF genes with serial analysis of gene expression (SAGE) tags, useful for studying, monitoring and affecting phases of the cell cycle -
                                                                                                                                                                                                                                                                                  Yeast, Saccharomyces cerevisiae; characterisation; cell cycle; NORF; nor previously assigned open reading frame; nonannotated ORF; SAGE; serial analysis of gene expression; antifungal; tag; identification; linker; PCR primer; ds.
                                                                                                                                                                                                                                            Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:4373.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Velculescu V, Vogelstein B, Kinzler K;
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                                                                                                             AAF37634 standard; DNA; 10 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                    Saccharomyces cerevisiae.
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Sequence 10 BP; 3 A; 2 C; 3 G; 2 T; 0 other;

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0; Gaps

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Length 10; 0; Indels

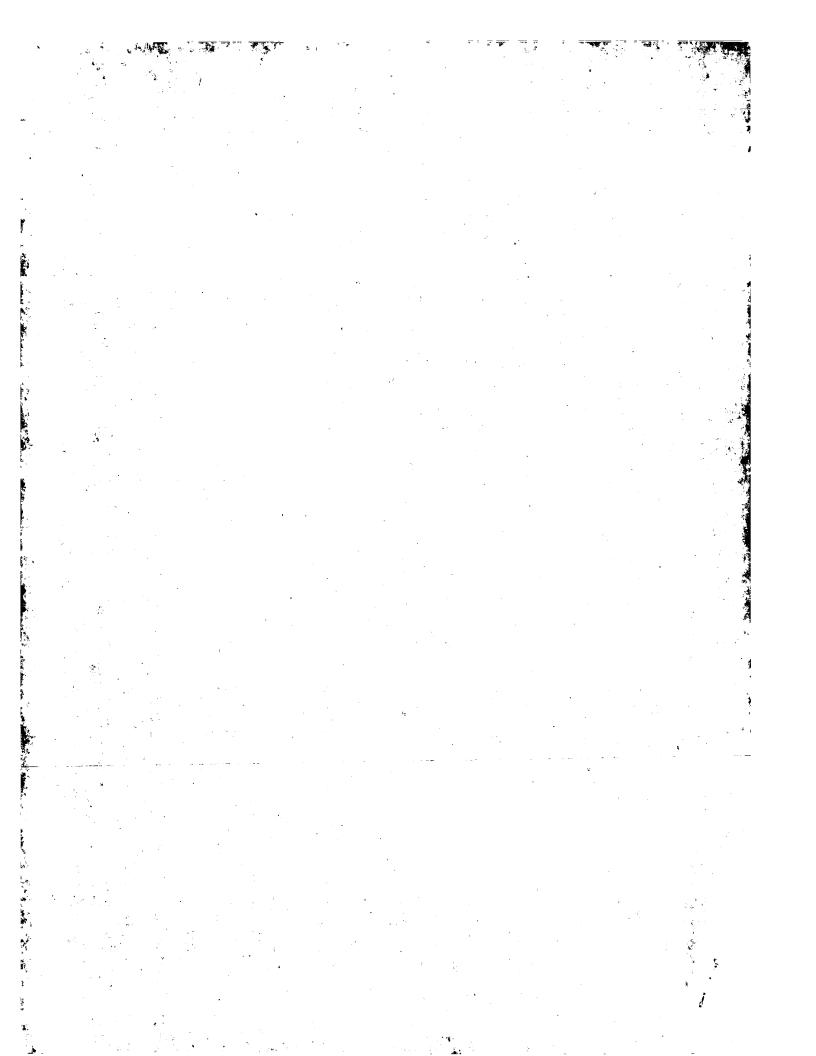
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Yeast gene coding sequences comprising NORF genes with serial analysis of gene expression (SAGE) tags, useful for studying, monitoring and affecting phases of the cell cycle -
                                                                                                                                                 Yeast; Saccharomyces cerevisiae; characterisation; cell cycle; NORF; nor previounty assigned open reading frame; nonannotated ORF; SAGE; serial analysis of gene expression; antifungal; tag; identification; linker; PCR primer; ds.
  Length 10;
                 Indels
                                                                                                                                  Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:8177.
 DB 22; L
                0; Mismatches
                                                                                                                                                                                                                                                                                     Kinzler K;
Query Match 100.0%; Score 7; Best Local Similarity 100.0%; Pred. No. Matches 7; Conservative 0; Mismatch
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primers used in the SAGE method, in the exemplification of the present

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100.0%; Score 7; DB 22; I
100.0%; Pred. No. 9.6e+04;
iive 0; Mismatches 0;
                                                                                   Sequence 10 BP; 3 A; 2 C; 4 G; 1 T; 0 other;
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Best Local Similarity luv...
7; Conservative
    invention.
SXS
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AAF31268 to AAF44064 represent SAGE tags used in the exemplification of the present invention.
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                                                                                   Gaps
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June 23, 2003, 01:05:28; Search time 81.4064 Seconds (without alignments) 2502.502 Million cell updates/sec
GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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PAT 29-SEP-1999 1 (bases 1 to 10)

Koziel,M.G., Desai,N.M., Lewis,K.S., Warren,G.W., Evola,S.V.,

Crossland,L.D., Wright,M.S., Merlin,E.J., Launis,K.L., Bowman,C.G.,

Dawson,J.L., Dunder,E.M., Pace,G.M. and Suttie,J.L.

Synthetic DNA sequence having enhanced activity in maize AR098492 Sequence
AX301417 Sequence
AX377325 Sequence
AX441418 Sequence
AX441418 Sequence
AX453914 Sequence
AX453914 Sequence
AX7010 Oligonucleo
AR069962 Sequence
AX139224 Sequence
AX1363 Sequence
AX1765 Sequence
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AX177 Sequence
AX17 Sequence
AX S57114 NF-kappa B A11076 Oligonucleo A59446 Sequence 39 AR013809 Sequence AX03113 Sequence AX046661 Sequence A44356 Sequence A44356 Sequence 41 A44356 Sequence 41 A89031 Sequence 41 AX316400 Sequence BD005920 Phyrofluo 195584 Sequence 4 195584 Sequence 12 A04761 Oligonucleo A11280 Oligonucleo A1280 Oligonucleo A35086 Synthetic I A64168 Sequence 34 A68354 Sequence 34 A88036 Sequence 18 AR001280 Sequence AR001280 Sequence Sequence Sequence score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. Description linear DNA 10 bp Sequence 49 from patent US 5859336. AR029539 ALIGNMENTS SUMMARIES AR029539
AR093732
AR093732
AR093432
AR162919
AX371315
AX471418
AX471321
AX659962
AX659962
AX71563
AX671563
AX671563
AX6711352
AX1076
AR195296
AX1071382
AX1076
AX10 GI:5941512 DB Length Unknown. Unclassified. AR029539.1 Query Match Unknown. Score LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM REFERENCE AUTHORS RESULT 1 AR029539 TITLE Š υ טט υυυυ

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AX301417 GI:17382500
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Seguence 63 from Patent WO0212498.
AX377325
AX377325.1 GI:19573612
                                                                               AR162919 10 bp
Sequence 1 from patent US 6260034.
AR162919.1 GI:16230279
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RS Koziel, M.G., Desai, N.M., Lewis, K.S., Warren, G.W., Evola, S.V.,

Right, M.S., Launis, K.L., Rothstein, S.J., Bowman, C.G., Dawson, J.L.,

Natight, M.S., Launis, K.L., Rothstein, S.J., Bowman, C.G., Dawson, J.L.,

Sunder, E.M., Pace, G.M. and Suttie, J.L.

Synthetic DNs sequence having enhanced insecticidal activity in

maize

NAL Patent: US 6075185-49 13-JUN-2000;

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3 | (bases 1 to 10)
5 | Tobchman.P.
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Method of identifying Aloe using PCR
AL Patent: US 601572-A 10 14-DEC-1999;
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 JOURNAL Patent: US 5859336-A 49 12-JAN-1999;
FEATURES Location/Qualifiers
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Sequence 10 from patent US 6001572.
AR093732.1 GI:10020481
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PAT 17-0CT-2001
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Eukaryote, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutberia, Primates, Catarrhini, Hominidae, Homo.
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Myc targets
Patent: W0 0185941-A 131 15-NOV-2001;
Academisch Ziekenhuis bij de Universiteit van Amsterdam (NL)
Location/Qualifiers
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SM Unknown.
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Method and a system for nucleic acid sequence analysis
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Synthetic dna sequence having enhanced insecticidal activity in maize
Patent: EP 1213356-A 49 12-JUN-2002;
Syngenta Participations AG (CH)
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1 (bases 1 to 11)
Niwa,N., Saito,Y., Sasaki,H., Hayashi,M., Notani,J. and Kobayashi,M.
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Patent: EP 0302456-A 1 08-FEB-1989;
FUJISAWA PHARMACEUTICAL CO., LTD
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/organism="synthetic construct"
/db_xref="taxon:32630"
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                                                         Kliem, S.E., Koshy, B. and Tanguay, D.A. Haplotypes of the isl1 gene Patent: WO 0212498-A 63 14-FEB-2002; Genalssance Pharmaceuticals, Inc. (US) Location/Qualifiers
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Syngenta Participations AG (CH)
Location/Qualifiers
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Sequence 49 from Patent EP1213356
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synthetic construct
artificial sequences.

1 (bases 1 to 11)
Brownlee,G.G. and Choo,K.H.
Molecular cloning of the gene for human anti-haemophilic factor IX
Patent: EP 0.1072Pa-A 16 02-MAY-1984;
NATIONAL RESEARCH DEVELOPMENT CORPORATION
Location/Qualifiers
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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                                                                                                                 AX471563 110 from Patent WO02053773. Sequence 1140 from Patent WO02053773. AX471563.1 GI:22206688
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/organism="Homo sapiens"
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Unclassified.
1 (bases 1 to 11)
Niwa,M., Saito,Y., Sasaki,H., Hayashi,M., Notani,J. and
Kobaysahi,M.
Tisayashi,M.
Tisayashi,M.
Tisayashi,M.
Patent: US 5840533-A 9 24-NOV-1998;
Location/Qualifiers.
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Sequence 9 from patent US 5840533.
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Sequence 18 from Patent WO0196602.
AX339224
AX339224.1 GI:18135485
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/db_xref="taxon:9606"
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/db_xref="taxon:32630"
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/organism="unknown"
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SOURCE Unknown.

ORGANISM Unknown.

REFERENCE 1 (bases 1 to 11)
AUTHORS de Boer, H.A., Heyneker, H.L. and Seeburg, P.H.
TITLE DNA for expression of bovine growth hormone JOURNAL Patent: US 5489529-A 16 06-FEB-1996;
FEATURES Location/Qualifiers

SOURCE 1. 11

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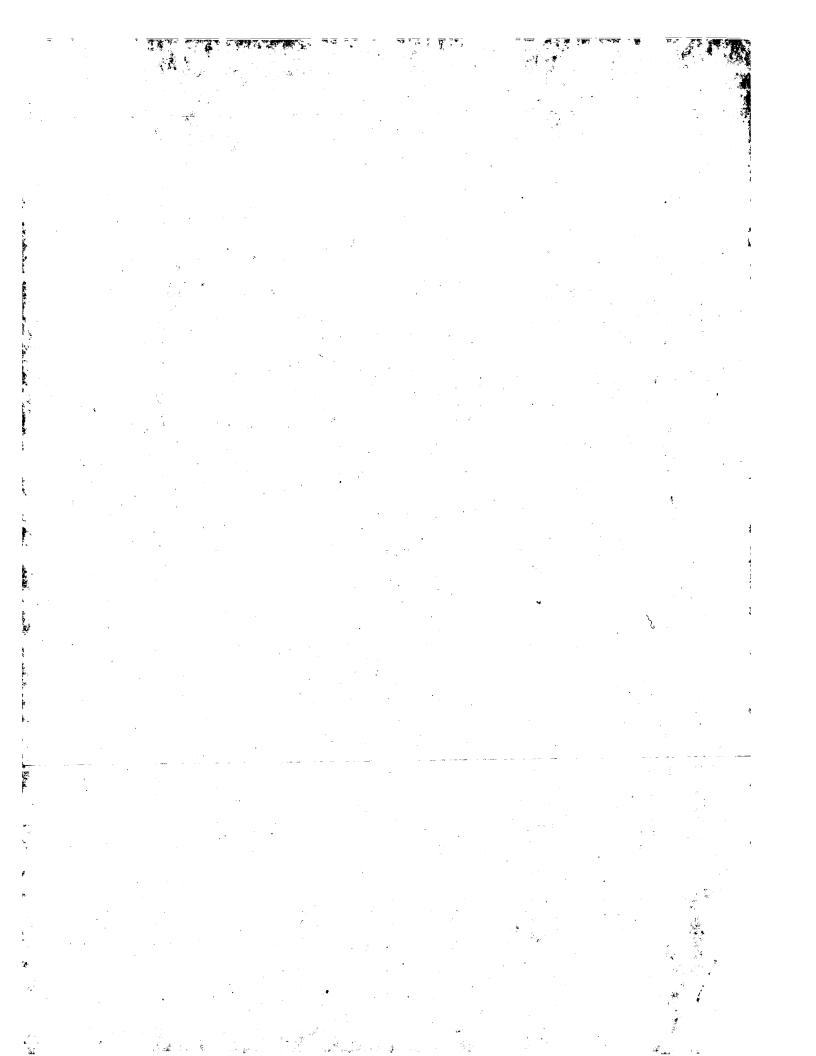
Query Match

Best Local Similarity 100.0%; Pred. No. 1.Se+06;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps

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Search completed: June 23, 2003, 06:34:24 Job time: 84.8679 Becs



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June 25, 2003, 13:28:55 ; Search time 477.769 Seconds (without alignments) 292.710 Million cell updates/sec Run on:

1 CATTTTTTGTTTGCTCTAGA 20 US-08-770-564A-13 20 Perfect score: Sequence:

IDENTITY NUC Gapop 10.0 , Gapext 1.0 Scoring table:

7860393 seqs, 3496198572 residues Searched:

8677950 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 50

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database

Pending Patents_NA_New:*

1: /cgn2_6/ptodata/1/pna/PCT_NEW_COMB.seq:*

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13: /cgn2_6/ptodata/1/pna/US60_NEW_COMB.seq2:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result | ť | ٠ | ouerv | | | | |
|--------|----|-------|-------|-----------------|----|----------------------|-------------------|
| No. | | Score | Match | Match Length DB | DB | ID | Description |
| υ | - | 18 | 90.0 | 19 | - | PCT-US03-04088-15 | Sequence 15, Appl |
| | N | 18 | 90.0 | 19 | н | PCT-US03-04088-279 | • |
| υ | ო | 18 | 90.0 | 28 | 9 | US-09-690-885-5 | Segmence 5. Appli |
| | 4 | 16.4 | 82.0 | 25 | 12 | US-60-427-836-561675 | Sequence 561675. |
| | 5 | 15.4 | 77.0 | 18 | 6 | US-10-310-188-7112 | Sequence 7112, Ap |
| | 9 | 15.4 | 77.0 | 25 | 12 | US-60-427-808-774039 | Sequence 774039. |
| | 7 | 15.2 | 76.0 | 25 | σ | US-10-355-577-692202 | Sequence 692202. |
| | œ | 15.2 | 76.0 | 25 | 12 | US-60-427-808-799814 | Sequence 799814. |
| | σ | 15.2 | 76.0 | 25 | 12 | US-60-427-836-660522 | Sequence 660522. |
| Ü | 10 | 15.2 | 76.0 | 27 | 6 | US-10-310-695-12 | Sequence 12, Appl |
| _ | 11 | 15 | 75.0 | 25 | σ | US-10-355-577-635066 | Sequence 635066, |
| | 12 | 14.8 | 74.0 | 25 | 12 | US-60-427-836-281208 | Sequence 281208. |
| . 1 | 13 | 14.8 | 74.0 | 25 | 12 | US-60-427-836-561672 | Sequence 561672, |
| - | 14 | 14.4 | 72.0 | 18 | σ | US-10-310-188-64233 | Seguence 64233. A |
| - | 15 | 14.4 | 72.0 | 25 | Φ | US-10-355-577-85332 | Sequence 85332, A |
| Ü | 16 | 14.2 | 71.0 | 25 | 7 | US-09-954-445A-48478 | Sequence 48478, A |
| - | 17 | 14.2 | 71.0 | 25 | 12 | US-60-427-808-291699 | Sequence 291699, |
| - | 18 | 14.2 | 71.0 | 25 | 12 | US-60-427-808-401732 | Sequence 401732, |
| _ | 19 | 14.2 | 71.0 | 25 | 12 | US-60-427-836-242577 | Sequence 242577, |
| v | 20 | 14.2 | 71.0 | 25 | 12 | US-60-427-836-563632 | |

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Gaps

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Query Match 90.0%; Score 18; DB 1; Length 19; Best Local Similarity 100.0%; Pred. No. 1.2e+03; Matches 18; Conservative 0; Mismatches 0; Indels

| c 21 14.2 71.0 40 6 US-09-765-272A-253 Sequence 253, App 22 14 70.0 25 12 US-60-427-808-525499 Sequence 525499, 23 14 70.0 25 12 US-60-427-808-92397 Sequence 525499, 25 13.8 69.0 25 9 US-10-349-143-7670 Sequence 7670, Ap 22 13.8 69.0 25 9 US-10-355-577-258031 Sequence 268031, 28 13.8 69.0 25 12 US-60-427-808-32561 Sequence 258031, 29 13.8 69.0 25 12 US-60-427-808-33209 Sequence 325661, 29 13.8 69.0 25 12 US-60-427-808-3319 Sequence 32561, 29 13.8 69.0 25 12 US-60-427-808-74039 Sequence 638319, 31 13.8 69.0 25 12 US-60-427-808-762708 Sequence 762708, 31 13.8 69.0 25 12 US-60-427-808-762709 Sequence 762709, 31 13.6 68.0 25 12 US-60-427-808-762709 Sequence 132474, 35 13.6 68.0 25 12 US-60-427-808-762709 Sequence 11269, 24 13.6 68.0 25 12 US-60-417-190-112699 Sequence 112704, 24 13.6 68.0 25 12 US-60-417-190-112699 Sequence 112704, 24 13.6 68.0 25 12 US-60-417-190-112699 Sequence 112706, 25 12 US-60-417-190-112706 Sequence 112706, 25 12 US-6 |
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| 23 |
| 22 14.2 71.0 25.2 13.8 69.0 25.3 13.8 69.0 25.3 13.8 69.0 25.3 13.8 69.0 25.3 13.8 69.0 25.3 13.8 69.0 25.3 13.8 69.0 25.3 13.8 69.0 25.3 13.8 69.0 25.3 13.8 69.0 25.3 13.6 68.0 25.3 13. |
| 22 14.2 71.0 25.1 14.2 71.0 25.1 13.8 69.0 29.0 13.8 69.0 29.0 13.8 69.0 29.0 13.8 69.0 29.0 13.8 69.0 29.0 13.6 68.0 29.0 13.6 68.0 29.0 13.6 68.0 29.0 29.0 13.6 68.0 29.0 29.0 29.0 29.0 29.0 29.0 29.0 29 |
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ALIGNMENTS

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; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense; OTHER INFORMATION: region
PCT-US03-04088-15
                                                                                   GRERAL INCOMMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase
CURRENT FILING DATE: 0203-04-28
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-0
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-09
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SSOFTWARE: PatentIn Version 3.2
                              Sequence 15, Application PC/TUS0304088 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: RNA
ORGANISM: Artificial
PCT-US03-04088-15/c
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/690,885
FILING DATE: 18-05ct-2000
CLASSITION COCK-2000
CLASSITION CONDON COLONION
ATTORNEY/AGENT INFORMATION:
NAME: WEINER, MAKC S.
REGIETRATION NUMBER: 13,181
REFERENCE/DOCKET NUMBER: 1422-0319P
TELECOMMUNICATION INFORMATION:
TELEFRENCE; 703-205-8050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 4
US-60-427-816-561675
US-60-427-816-561675
Sequence 561675, Application US/60427836
Sequence 561675, Application US/60427836
SEQUENCE SEPLICATION:
APPLICANTY Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527
CURRENT PAPLICATION WUMBER: US/60/427,836
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOGTWAREN MICROARRAY Probe Sequence Listing Generator V 1.1
SEQ ID NO 561675
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 90.0%; Score 18; DB 6;
Best Local Similarity 100.0%; Pred. No. 1.2e+07
Matches 18; Conservative 0; Mismatches (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLGY: linear

MOLECULE TYPE: other nucleic acid

DESCRIPTION: /desc = "synthetic DNA"

SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-690-885-5
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US-10-310-188-7112
; Sequence 7112, Application US/10310188
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 28 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: 703-205-80
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
CRGANISM: Rattus norvegicus
US-60-427-836-561675
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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| Sequence 5, Application US/09690885 |
| Sequence 1, Application Sequence 5, Application Sequence 5, Application Sequence 6, Application Sequence 6, Application Sequence 1, Applic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 90.0%; Score 18; DB 1; Length 19; Best Local Similarity 38.9%; Pred: No. 1.2e+03. Matches 7; Conservative II; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 UUUUUUGUUUGCUCUAGA 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3 TITITIGITIGCICTAGA 20
              3 TTTTTTTTTGCTCTAGA 20
                                                 19 TTTTTGTTTGCTCTAGA
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppi
COMPUTER: IBM PC C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: RNA
ORGANISM: Artificial
                                                                                                                                                                                                -US03-04088-279
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APPLICANT: RosettaGemonics
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GEN:
TITLE OF INVENTION: USSS THEREOF
FILE REFERENCE: 47487
CURRENT APPLICATION NUMBER: US/10/310,188
CURRENT FILING DATE: 2002-12-19
NUMBER OF SEQ ID NOS: 86841
SOFTWARE: Patentin version 3.1
SEQ ID NO 7112
LENGTH: 18
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Gaps
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Gaps
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GENERAL INFORMATION:
APPLICANTION:
APPLICANTION:
APPLICANTION:
APPLICANTION:
FILE REFERENCE: 3121
CURRENT APPLICANTION NUMBER: US/10/355,577
CURRENT PILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
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                                                                                                                                                                                                                                                                                                                US-60-427-808-774039

Sequence 774039, Application US/60427808

GENERAL INFORMATION:

APPLICANT: You Mei Zhou

TITLE OF INVENTION: Methods of Genetic Analysis of Mouse

FILE REFERENCE: 3528

CURRENT APPLICATION NUMBER: US/60/427,808

CURRENT FILING DATE: 2002-11-20

NUMBER OF SEQ ID NOS: 982914

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 25;
                                                                                     Score 15.4; DB 9; Length 18; Pred. No. 1.3e+04; 0; Mismatches 1; Indels
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GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITLE OF INFORMION: Methods of Genetic Analysis of Mouse
FILE REPERENCE: 3528
CURRENT APPLICATION NUMBER: US/60/427,808
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 77.0%; Score 15.4; DB 12; Best Local Similarity 94.1%; Pred. No. 1.2e+04; Matches 16; Conservative 0; Mismatches 1;
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                                                                                                                                                                                  3 TITITIGITIGCICIAG 19
                                                                                                                                                                                                          1 TTTTTTTTGCTCTAG 17
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                                                                                        Query Match
Best Local Similarity 94.1%;
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TYPE: DNA
; ORGANISM: Mus musculus
US-60-427-808-774039
                   ; ORGANISM: Homo sapiens
US-10-310-188-7112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; ORGANISM: Homo sapien
US-10-355-577-692202
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TYPE: DNA
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| Sequence 12, Application US/10310695
| GENERAL INFORMATION:
| APPLICANT: DROGE, PETER
| APPLICANT: DROGE, PETER
| TITLE OF INVENTION: SEQUENCE SPECIFIC DNA RECOMBINATION IN EUKARYOTIC CELLS
| TITLE OF INVENTION: SEQUENCE SPECIFIC DNA RECOMBINATION IN EUKARYOTIC CELLS
| CURRENT APPLICATION WHERE: US/10/310,695
| CURRENT FILING DATE: 2002-12-05
| NUMBER OF SEQ ID NOS: 22
| SEQ ID NO 12
| SEQ ID NO 12
| LENGTH: 27
                                                                                                                                                                                                                                                  Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: Description of Artificial Sequence: Synthetic OTHER INFORMATION: Primer
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                                                                                                                                                                                                     Length 25;
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CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 799814
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/60/427,836
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 660522
LENGTH: 25
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                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 660522, Application US/60427836
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TILLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3527
                                                                                                                                                                                                  Query Match 76.0%; Score 15.2; DB 12; Best Local Similarity 85.0%; Pred. No. 1.5e+04; Matches 17; Conservative 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 15.2; DB 9;
Pred. No. 1.5e+04;
0; Mismatches 3;
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85.0%; Pred
0; 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Rattus norvegicus US-60-427-836-660522
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 85.0
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 76.0
Best Local Similarity 85.0
Matches 17; Conservative
                                                                                                                ; TYPE: DNA
; ORGANISM: Mus musculus
US-60-427-808-799814
                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 9
US-60-427-836-660522
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-310-695-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REPERENCE: 312.1
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT APPLICATION DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SEQ ID NOS: 997516
SEQ ID NOS: 397516
SEQ ID NOS: 35066
LENGTH: 25
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74.0%; Score 14.8; DB 12; Length 25;
Best Local Similarity 88.9%; Pred, No. 2.1e+04;
Matches 16; Conservative 0; Mismatches 2; Indels 0
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74.0%; Score 14.8; DB 12; Length 25;
Best_Local Similarity 88.9%; Pred. No. 2.1e+04;
Matcher 16; Conservative 0; Mismatches 2; Indels (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 12
US-60-427-836-281208
Sequence 281208, Application US/60427836
SEGUENCE 281208, Application US/60427836
SEGUENCE 281208, Application Sequence 281208, Application Sequence 281208, TITLE OF INVENTION:
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REPERBURE: 35.7
CURRENT APPLICATION NUMBER: US/60/427,836
CURRENT APPLICATION DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARR: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 281208
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US-60-427-836-561672
Sequence 551672. Application US/60427836
Sequence 551672. Application US/60427836
SEQUENCE 551672. Application US/60427836
TITLE OF INVENTION:
TITLE OF INVENTION:
CURRENT APPLICATION NUMBER: US/60/427,836
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 561672
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                    Length 25;
                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Indels
                                                                                                                                                                                                                                                                                                                                                                                       Query Match 75.0%; Score 15; DB 9; Le Best Local Similarity 100.0%; Pred. No. 1.8e+704; Matches 15; Conservative 0; Mismatches 0;
5-10-355-577-635066
Sequence 635066, Application US/10355577
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3 TTTTTGTTTGCTCTAGA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4 TTTTTGTTTGCTCTA 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4 TTTTTGTTTGCTCTA 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-60-427-836-281208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ) TYPE: DNA
) ORGANISM: Rattus norvegicus
US-60-427-836-561672
                                                                                                                                                                                                                                                                                          ; TYPE: DNA
; ORGANISM: Homo sapien
US-10-355-577-635066
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US-10-310-188-64233
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Sequence 64223
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GENERAL INFORMATION:
APPLICATION: Michael
TILLE OF INVENTION: Michael
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355.577
CURRENT APPLICATION DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SCOTWARE Micrarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 85332
LENGTH: 25
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Job time : 479.077 secs
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                                                                TTTTTGACTGCTCTAGA 23
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; ORGANISM: Homo sapiens
US-10-310-188-64233
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CORGANISM: Homo sapien
US-10-355-577-85332
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Run on:

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72.0
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                                              June 24, 2003, 22:19:40 ; Search time 1697.05 Seconds (without alignments) 296.308 Million cell updates/sec
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                          24791104 seqs, 12571243825 residues
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Maximum Match 100%
Listing first 45 summaries
                              OM nucleic - nucleic search, using sw model
                                                                                                CATTITITITITICTIAGA 20
                                                                                                                 IDENTITY NUC
Gapop 10.0 , Gapext 1.0
                                                                              US-08-770-564A-13
                                                                                                                                                                          Minimum DB seq length: 0 Maximum DB seq length: 50
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                                                                                        Perfect score:
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Database

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ptodata/2/pna/wsconfoods.ptodata/2/pna/wsconfoods.ptodata/2/pna/wsconfoods.comB.seq:*/ptodata/2/pna/wsconfoods.comB.seq:*/ptodata/2/pna/wsconfoods.comB.seq:*/prodata/2/pna/wsconfoods.comB.seq:*/prodata/2/pna/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoods.comB.seq:*/prodata/wsconfoo
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/cgn2_6/ptodata/2/pna/US6041_COMB.seq:
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S/ptodata/2/pna/US6013_COMB.se
S/ptodata/2/pna/US6014_COMB.se
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S/ptodata/2/pna/US6016_COMB.se
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ptodata/2/pna/US6008_COMB.
ptodata/2/pna/US6009_COMB.
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ptodata/2/pna/US6022_COMB.
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ptodata/2/pna/US6031_COMB.
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todata/2/pna/US6033_
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otodata/2/pna/US6037
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| ио | 13, Appl | e 13, Appl | | | e 5, Appli | 18 | 583 | e 58350, A | e 692202, | e 58351, A | e 58351, A | e 635066, | e 241, App | 3178 | e 450073, | e 450078, | e 450079, | e 450083, | e 450085, | e 323013, | e 452894, |
|----------------------------|-------------------|-------------------|------------------|-------------------|------------------|------------------|---------------------|---------------------|----------------------|---------------------|---------------------|----------------------|-------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Description | Sequence 13, | Sequence 13, | Sequence 10, | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence | Sequence |
| ΩI | PCT-US97-23619-13 | US-08-770-564A-13 | US-08-521-634-10 | US-09-540-119B-16 | US-09-587-662A-5 | US-08-973-589-18 | US-09-954-427-58350 | US-60-233-166-58350 | US-60-353-987-692202 | US-09-954-427-58351 | US-60-233-166-58351 | US-60-353-987-635066 | US-09-953-198-241 | US-09-956-584-317896 | US-09-956-584-450073 | US-09-956-584-450078 | US-09-956-584-450079 | US-09-956-584-450083 | US-09-956-584-450085 | US-60-234-017-323013 | US-60-234-017-452894 |
| DB | - | 11 | σ | 21 | 22 | 13 | 36 | 67 | 79 | 36 | 67 | 79 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 67 | . 67 |
| * Query Match Length | 20 | 20 | 30 | 20 | 24 | 22 | 25 | 25 | 25 | 25 | 25 | 25 | 41 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| % Query Match | 100.0 | 100.0 | 100.0 | 95.0 | 85.0 | 80.0 | 80.0 | 80.0 | 76.0 | 75.0 | 75.0 | 75.0 | 74.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| Score | 20 | 20 | 20 | 19 | 17 | 16 | 16 | 16 | 15.2 | 15 | 15 | 15 | 14.8 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 |
| ssult No. | - | ~ | 3 | 4 | ស | 9 | 7 | 60 | 0 | 10 | 11 | 12 | 13 | 14 | 7 | 7 | 17 | - | 13 | 20 | 2 21 |

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RESULT 2

US-08-770-564A-13

SQUENCE 13. Application US/08770564A

SQUENCE 13. Application US/08770564A

SQUENCE 13. Application US/08770564A

APPLICANT: Weinich Scott L.

TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SECHENCES: 15 inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SECHENCES: Absence of Telomerase
TITLE OF INVENTION: Against the RNA Component of Telomerase
STREET: Two Embarcadero Center, 8th Floor
CITY: SAN Prancisco
COUNTRY: USA
ZIP: 94111

COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: BEADTION BATA:
COMPUTER: PARCHINION BATA:
APPLICATION NUMBER: US/08/770,564A

FILING DATE: 20-DEC-1996
CLASSIFICATION NUMBER: 32,944.
ATTORNEY/AGENT INFORMATION:
MARE: Stochala, John R.
REGISTRATION NUMBER: 32,944.
ATTORNEY/AGENT INFORMATION:
TELEPRONE 415-576-0200
INPORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STREET CANDEDLESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 100.0%; Score 20; DB 11; Length 20; Best Local Similarity 100.0%; Pred. No. 2.7e+02; Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                    Length 20;
                                                                                                                                                                                                                                                                                                                                                            Query Match
100.0%; Score 20; DB 1; Length 20
Best Local Similarity 100.0%; Pred. No. 2.76+02;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                TOPOLOGY: linear MOLECULE TYPE: DNA FEATURE: NAME/KEY: - LOCATION: 1..20 COATION: 1..20 PCT-US97-23619-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 CATTITITITITICATAGA 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 CATTTTTTTTGTTTGCTCTAGA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 CATTTTTTGTTTGCTCTAGA 20
   LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-770-564A-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 3
US-08-521-634-10/c
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   Sequence 452900, Sequence 452901, Sequence 452901, Sequence 852907, Sequence 9, A32, A Sequence 256492, Sequence 219599, Sequence 241731, Sequence 241731, Sequence 253, App S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PEGULT 1
PCT-US97-23619-13
Sequence 13. Application PC/TUS9723619
Sequence 13. Application PC/TUS9723619
Sequence 13. Application Sequence 13. Applicant
APPLICANT:
A
US-60-234-017-452900

US-60-234-017-452901

US-60-234-017-452905

US-60-234-017-452907

US-10-035-994-85332

US-09-954-487-352436

US-09-956-584-25436

US-09-956-584-25436

US-09-956-584-25436

US-60-233-66-364-319589

US-60-233-66-364-319589

US-60-234-017-241731

US-60-234-017-301701

US-09-556-584-253

US-09-556-584-253

US-09-556-784-253

US-09-765-787-375

US-09-765-787-375

US-60-216-745-3746

US-60-216-745-3746

US-60-216-745-3746

US-60-216-745-3746

US-60-216-745-3746

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Gaps

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Gaps
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; OTHER INFORMATION: Description of Artificial Sequence: primer/probe
US-09-587-662A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 18, Application US/08973589
GENERAL INFORMATION:
APPLICANT: Gradier, Carol
APPLICANT: Gradier, Carol
APPLICANT: Gradier, Carol
APPLICANT: Pruzan, Ronald
TITLE OF INVENTION: ESSENTIAL OLIGONUCLEOTIDES OF VERTEBRATE
FILE REFERENCE: CSHL95-02A
CURRENT FILING DATE: 1996-06-20
PRIOR FILING DATE: 1996-06-07
PRIOR FILING DATE: 1996-06-07
NUMBER OF SEQ ID NOS: 20
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 18
LENGTH: 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 85.0%; Score 17; DB 22; Length 24; Best Local Similarity 100.0%; Pred. No. 4.8e+03; Matches 17; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                    Score 19; DB 21; Length 20;
Pred. No. 7e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: Synthetic Oligonucleotide
US-08-973-589-18
                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                           100.0%; Pre
                                                                                                                                                                                                                                                               1 CATTTTTTTTTTTGTTAG 19
    SOFTWARE: Patentin version 3.1
SEQ ID NO 16
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                      95.0%;
                                                                                                                                                                                                                  Conservative
                                                                        ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-540-119B-16
                                                                                                                                                                 Query Match
Best Local Similarity
Matches 19; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 16, Application US/09540119B
GENERAL INFORMATION:
APPLICANT: Gryaznov, Sergei
APPLICANT: Weinrich, Scott
TITLE OF INVENTION: Telomerase Inhibitor Polynucleotides
FILE REFERENCE: 029/001
CURRENT APPLICATION NUMBER: US/09/540,119B
CURRENT FILING DATE: 2000-03-31
NUMBER OF SEQ ID NOS: 25
                                                                                                                                                                                                        ADDRESSEE: Townsend and Townsend and Crew
STREET: One Market Plaza, Steuart Tower, Suite 2000
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/521,634
FILING DATE: J1-AUG-1995
CLASSIFICATION NUMBER: US/08/521,634
FILING DATE: J1-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/482,115
FILING DATE: 7-JUN-1995
PRIOR APPLICATION NUMBER: US 08/472,802
FILING DATE: 7-JUN-1995
PRIOR APPLICATION NUMBER: US 08/330,123
APPLICATION NUMBER: US 08/330,123
APPLICATION NUMBER: US 08/320,102
APPLICATION NUMBER: US 08/320,102
FILING DATE: 7-JUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 7-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: DUAT: TRACEY J.
REFERENCE/DOCKET NUMBER: 15389-000850
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                   APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Andrews, William
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: DNA (oligonucleotide)
                                                                                                                                                                                                                                                                                                                                                                       MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
Sequence 10, Application US/08521634 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 CATTTTTTTTTGCTCTAGA 20
                                                  Villeponteau, Bryant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: 415-20
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                               COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              linear
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; TYPE: DNA
; ORGANISM: Homo sapien
US-60-353-987-692202
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US-60-233-166-58351/c
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; Sequence 58350, Application US/60233166
; GENERAL INPORMATION:
; APPLICANT: Mitthann
; APPLICANT: Affymetrix, Inc.; TITLE OF INVENTION: Methods of Genetic Analysis of the Rat; TITLE OF INVENTION: Genome
; TITLE OF INVENTION: Genome
; TITLE OF INVENTION: Genome
; CURRENT PALLICATION NUMBER: US/60/233,166
; CURRENT FILING DATE: 2000-10-24
; NUMBER OF SEQ ID NOS: 420907
; SOFTHARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 58350
DB 13; Le._
). 1.2e+04;
0; Indels
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                   Length 22;
                                                                                                                                                                                                                                                                              APPLICANT: Mittmann.
APPLICANT: Mittmann.
TITLE CAT INVENTION: Methods of Genetic Analysis of the Rat TITLE OF INVENTION: Genome
FILE REFERENCE: 3112
CURRENT APPLICATION NUMBER: US/09/954,427
NUMBER OF FILING DATE: 2001-09-17
NUMBER OF SEC ID NOS: 420907
SOFTWARE: FastSEQ for Windows Version 4.0
LENGTH: 25
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match

80.0%; Score 16; DB 36; I
Best Local Similarity 100.0%; Pred. No. 1.2e+04;
Matches 16; Conservative 0; Mismatches 0;
                Score 16; DB 1; Pred. No. 1.26 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Rattus norvegicus
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank AA819129
US-09-954-427-58350
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Rattue norvegicue
; PUBLICATION INFORMATION:
; SACESSION NUMBER: GenBank AA819129
VS-60-233-166-58350
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 9
US-60-353-987-692202
; Seguence 692202, Application US/60353987
                                                                                                                                                                                               RESULT 7
US-09-954-427-58350/c
; Sequence 58350, Application US/09954427
; GENERAL INFORMATION:
              Query Match
Best Local Similarity 100.0%; Po
Matches 16; Conservative 0;
                                                                                             4 TITITGTITGCICIAG 19
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TITLE OF INVESTIGN: Michael of Genetic Analysis of Probes: HG-U133 FITLE OF INVESTIGN: Michael of Genetic Analysis of Probes: HG-U133 FITLE OF INVESTIGN: Mathods of Genetic Analysis of Probes: HG-U133 FITLE OF INVESTIGN: Mathods: U5/6/15/3-997

CURRENT FILING DATE: 2002-02-01

SERENT: 2002-02-01

SERENT: 100 MATHOD SERVED DATE: 2002-02-01

SERENT: 2001 DATE: 2002-02-01

SERENT: 2002-02-01

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SERENT: 2002-02-02-02

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                                             Gaps
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US-60-353-987-635066

Sequence 635066 Application US/60353987

GENERAL INFORMATION:

APPLICANT: Mittenann, Michael

TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133

FILLE REFERENCE: 3121

CURRENT APPLICATION UNDER: US/60/353,987

CURRENT FILING DATE: 2002-02-01

NUMBER OF SEQ ID NOS: 997516

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

LENGTH: 25
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GENERAL INFORMATION:
APPLICANT: Mitternan, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Mus Musculus
FILE REPERENCE: 3115.1
CURRENT APPLICATION NUMBER: US/09/956,584
CURRENT FILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 60/234,017
PRIOR FILING DATE: 2000-09-20
  Length 25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                75.0%; Score 15; DB 79; Length 25; 100.0%; Pred. No. 3.2e+04; ive 0; Mismatches 0; Indels
                                         Indela
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  DB 67; L
3.2e+04;
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Query Match 75.0%; Score 15; DB Best Local Similarity 100.0%; Pred. No. 3.2 Matches 15; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 241, Application US/09953198
GENERAL INFORMATION:
APPLICANT: COMPUGEN LTD
ITLE OF INVENTION: DATA BASE OF SNP
FILE REFERENCE: 1351253
CURRENT APPLICATION NUMBER: US/09/953,198
CURRENT FILING DATE: 2001-08-12
NUMBER OF SEQ ID NOS: 979
SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 ATTTTTTTGTTTGCTCTAG 19
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                                                                                                      25 TTTTGTTTGCTCTAG 11
                                                                                   5 TITIGITIGCICIAG 19
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Best Local Similarity 100.0
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; ORGANISM: Homo sapiens
US-09-953-198-241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: DNA
; ORGANISM: Homo sapien
US-60-353-987-635066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 14
US-09-956-584-317896
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US-09-953-198-241
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LENGTH: 41
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| GENERAL INFORMATION:
| APPLICANT: Mittenal, Michael
| TITLE OF INVENTION: Methods of Genetic Analysis of Mus Musculus
| FILE REFERENCE: 3115.1
| CURRENT APPLICATION NUMBER: US/09/956,584
| CURRENT FILING DATE: 2001-09-19
| PRIOR PILING DATE: 2000-09-20
| NUMBER OF SEQ ID NOS: 605887
| SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
| SEQ ID NO 450073
                                                                                                                                                                                                                       ö
                                                                                                                                                                            Score 14.4; DB 36; Length 25; Pred. No. 5.6e+04;
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                  SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 317896
LENGTH: 25
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                                                                                                                                                                                                                       0; Mismatches
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                                                                                                                                                                         Query Match 72.0%;
Best Local Similarity 93.8%;
Matches 15; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 ATTTTTTGTTTGCTCT 17
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NUMBER OF SEQ ID NOS: 605887
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 72.0
Best Local Similarity 93.8
Matches 15, Conservative
                                                                                       TYPE: DNA
CORGANISM: Mus musculus
US-09-956-584-317896
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; TYPE: DNA
; ORGANISM: Mus musculus
US-09-956-584-450073
                                                                                                                                                                                                                                                                                                                                                                            RESULT 15
US-09-956-584-450073/c
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Sequence 133, App Sequence 370, App Sequence 285, App Sequence 15, Appl Sequence 19, Appl Sequence 18, Appl Sequence 204, Appl

Sequence 1024, Ap Sequence 16847, A Sequence 72375, A Sequence 9, Appli Sequence 9, Appli

Sequence 7, Appli Sequence 10137, A Sequence 312, App Sequence 312, App

Sequence 23, Appl Sequence 19, Appl Sequence 5, Appli Sequence 7, Appli

Sequence 5, Appl:

Sequence 45, Appl Sequence 4, Appli Sequence 4, Appli Sequence 7, Appli

Sequence:

Run on:

Searched:

Database

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Sequence 8, Application US/10032924
Sequence 8, Application US/10032924
Publication No. US20030022190A1
GENERAL INFORMATION:
APPLICANT: Asmes
Leushner, James
Dunn, James MTHE OF INVENTION: MITHED FOR TESTING FOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Mb storage
US-10-098-263B-109459

US-10-098-263B-116952

US-09-426-548-133

US-09-765-272-370

US-10-084-553-15

US-10-084-553-19

US-10-084-553-19

US-10-084-553-19

US-10-084-553-19

US-10-084-553-18

US-10-084-553-18

US-10-098-263-1024

US-10-098-263B-72375

US-10-098-263B-72375

US-10-098-263B-72375

US-10-098-263B-1037

US-10-098-263B-1037

US-10-046-4

US-10-098-263B-1037

US-10-098-263B-1037
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
ADDRESSER: Oppedahl & Larson
STREET: 1992 Commerce Street Sulte 309
CITY: Yorktown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 VGEN. P-028-US
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OPBRATING SYSTEM: MS DOS
SOFTWARE: Word Perfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/032,924
FILING DATE: 26-Dec-2001
CLASSIFICATION: vUNKNOWN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/649,950
FILING DATE: «Unknown»
ATTORNEY/AGENT INFORMATION:
NAME: Larson, Marina T.
REGISTRATION NUMBER: 32,038
TELEPRENCAL DOCKET NUMBER:
TELEPHONE: (914) 245-3252
TELEPHONE: (914) 962-4330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEX: «Unknown»
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: US
ZIP: 10598
COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STATE: NY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 1
US-10-032-924-8/c
    Sequence 8, Appli
Sequence 27, Appl
Sequence 38, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 38, Appl
Sequence 13, Appl
Sequence 6, Appli
Sequence 870, Appl
Sequence 49, Appl
Sequence 32778, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 8, Appli
                                                                                                                                        June 25, 2003, 13:28:54; Search time 60.7968 Seconds (without alignments) 482.732 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 124, 7
Sequence 67431,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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Sequence 375,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 38,
Sequence 38,
Sequence 38,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Published Applications NA:*

1: /cgn2 6/ptodata/1/pubpna/USO7 PUBCOMB.seq:*
2: /cgn2 6/ptodata/1/pubpna/DSO NEW PUB.seq:*
3: /cgn2 6/ptodata/1/pubpna/USO6 NEW PUB.seq:*
4: /cgn2 6/ptodata/1/pubpna/USO6 NEW PUB.seq:*
5: /cgn2 6/ptodata/1/pubpna/USO7 NEW PUB.seq:*
6: /cgn2 6/ptodata/1/pubpna/USO8 PUBCOMB.seq:*
7: /cgn2 6/ptodata/1/pubpna/USO8 PUBCOMB.seq:*
9: /cgn2 6/ptodata/1/pubpna/USO9 NEW PUB.seq:*
10: /cgn2 6/ptodata/1/pubpna/USO9 NEW PUB.seq:*
11: /cgn2 6/ptodata/1/pubpna/USO9 NEW PUB.seq:*
12: /cgn2 6/ptodata/1/pubpna/USO9 NEW PUB.seq:*
13: /cgn2 6/ptodata/1/pubpna/USO9 NEW PUB.seq:*
13: /cgn2 6/ptodata/1/pubpna/USO9 NEW PUB.seq:*
14: /cgn2 6/ptodata/1/pubpna/USO0 NEW PUB.seq:*
14: /cgn2 6/ptodata/1/pubpna/USO0 NEW PUB.seq:*
                                                                                                                                                                                                                                                                                                                                                                                                             832576
                     GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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US-08-978-635-38
US-08-978-634-38
US-08-978-634-38
US-08-978-637-38
US-09-978-637-38
US-09-997-868-13
US-10-093-365-6
US-10-125-112-870
US-09-863-040-49
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US-10-098-263B-67431
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-091-135-32
                                                                                                                                                                                                                                                                                                                                                                   1042519 segs, 733713590 residues
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Maximum Match 100%
Listing first 45 summaries
                                                                                                  OM nucleic - nucleic search, using sw model
                                                                                                                                                                                                                                                                1 CATTTTTTGTTTGCTCTAGA 20
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Gapop 10.0 , Gapext 1.0
                                                                                                                                                                                                                US-08-770-564A-13
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Query
Match Length D
                                                                                                                                                                                                                                                                                                                                                                                                                                                Minimum DB seq length: 0 Maximum DB seq length: 50
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13.

Result

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SEQ ID NO 8
LENGTH: 20
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Patent No. US20020061545A1
GENERAL INFORMATION:
TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines
NUMBER OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines
NUMBER OF SEQUENCES: 452
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREBT: 3410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                 ) SEQUENCE DESCRIPTION: amplification primer for BRCAl gene ) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
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71.0%; Score 14.2; DB 10; Length 40;
Best Local Similarity 84.2%; Pred. No. 3.7e+03;
Matches 16; Conservative 0; Mismatches 3; Indels (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
COMPUTER READABLE FORM:
"MEDIUM TYPES Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
COMPUTER: ASCII Text
CURRENT APPLICATION NUMBER: US/09/765,272
FILING DATE: 22-Jan-2001
CLASSIFICATION NUMBER: 08/961,083
FILING DATE: CUNROWN>
FILING DATE: CUNROWN>
                                                                                                                                                                                                                                                                                                     Query Match
71.0%; Score 14.2; DB 9; Length 21;
Best Local Similarity 84.2%; Pred. No. 3.58+03;
Matches 16; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
NAME: Brookes, A. Anders
REGISTRATION NUMBER: 36,373
REPERENCE/DOCKET NUMBER: PB340P2
TELECOMMUNICATION INFORMATION:
TELEPHONE; (301) 309-8504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; SEQUENCE DESCRIPTION: SEQ ID NO: 253: 08-09-765-272-253
STRANDEDNESS: double TOPOLOGY: linear MOLECULE TYPE: other nucleic acid HYPOTHETICAL: no
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 CATTTTTTTTTGTTTG 19
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                                                                                            ANTI-SENSE: yes
FRAGMENT TYPE: internal
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 2
US-09-765-272-253/c
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Sequence 29, Application US/08978636
Publication No. US20030104620A1
GENERAL INFORMATION:
APPLICANT: ELAZAR RABBANI
APPLICANT: JAMES J. DONEGAN
APPLICANT: JAMES LIU
APPLICANT: DARAI LIU
APPLICANT: DARAI LIU
APPLICANT: NORMAN E KEKER
APPLICANT: NORMAN E KEKER
TITLE OF INVENTION: NOVEL ROPERTY EFFECTING
TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC USE
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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                                                                    Length 30;
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; OTHER INFORMATION: Description of Artificial Sequence:oligo US-08-978-635-38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PC/XT/AT, IBM PS/2 OR COMPATIBLES OPERATING SYSTEM: PC-DOS SOFTWARE: MICROSOFT WORD - ASCII TEXT (DOS) CURRENT APPLICATION DATA:
                                                                    Score 13.4; DB 7;
Pred. No. 7.9e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 13.4; DB 7;
Pred. No. 7.9e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE: 3.5" Micro Floppy Disk. MEDIUM TYPE: STORAGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: ENZ-53(D3)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 583-0100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/08/978,636
FILING DATE: 25-NOVEMBER-1997
CLASSIFICATION: 424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ENZO THERAPEUTICS, INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             32,567
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527 MADISON AVENUE,
9TH FLOOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE: (212) 583-0100
TELEFAX: (212) 583-0150
INFORMATION FOR SEO ID NO: 29
SEQUENCE CHARACTERISTICS:
                                                                  Query Match
Best Local Similarity 93.3%;
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
NAME: FEDUS, RONALD C.
REGISTRATION NUMBER: 32,5
                                                                                                                                                               6 TTTGTTTGCTCTAGA 20
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Best Local Similarity 93.3.
Then 14; Conservative
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TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 10022
COMPUTER READABLE FORM:
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MOLECULE TYPE:
DESCRIPTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        USA
                                                                                                                                                                                                                                                                            RESULT 7
US-08-978-636-29/c
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STREET:
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APPLICANT: Rabbani, Elazar
APPLICANT: Stavrianopoulos, Jannis G.
APPLICANT: Donegan, James J.
APPLICANT: Liu, Dakai
APPLICANT: Liu, Dakai
APPLICANT: Engelhardt, Dean L.
TITLE OF INVENTION: NOVEL PROPERTY EFFECTING AND/OR PROPERTY EXHIBITING
TITLE OF INVENTION: COMPOSITIONS FOR THERAPEUTIC AND DIAGNOSTIC USE
FILE REFERENCE: ENZ-5304.032499
CURRENT APPLICATION NUMBER: US/08/978,635A
CURRENT FILING DATE: 1997-11-25
NUMBER OF SEQ ID NOS: 51
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 38
LENGTH: 30
                                                                                                        APPLICANT: Gold, Larry
APPLICANT: Zichi, Dominic
APPLICANT: Zichi, Dominic
APPLICANT: Jenison, Robert
APPLICANT: Schneider, Daniel J
TITLE OF INVENTION: Method and Apparatus for the Automated Generation of
TITLE OF INVENTION: Nucleic Acid Ligands
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic;
; OTHER INFORMATION: Sequence
US-09-815-171A-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
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                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/09/815,171A
CURRENT PILING DATE: 2001-03-22
PRIOR APPLICATION NUMBER: US/09/815,171A
CURRENT FILING DATE: 2000-07-14
PRIOR PILING DATE: 2000-07-14
PRIOR PILING DATE: 1999-07-16
PRIOR PILING DATE: 1999-07-16
PRIOR PILING DATE: 1999-07-16
PRIOR APPLICATION NUMBER: 09/32,946
PRIOR APPLICATION NUMBER: 09/32,946
PRIOR APPLICATION NUMBER: 09/32,075
PRIOR APPLICATION NUMBER: 09/143,190
PRIOR FILING DATE: 1995-06-06
PRIOR FILING DATE: 1995-06-06
PRIOR FILING DATE: 1995-06-06
PRIOR FILING DATE: 1995-06-06
PRIOR FILING DATE: 1991-06-10
PRIOR FILING DATE: 1991-06-10
PRIOR FILING DATE: 1991-06-10
PRIOR SEQ ID NOS: 32
SOFTWARE: PATENTIN VET: 2.0
                                        Sequence 27, Application US/09815171A
Patent No. US20020064780A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 38, Application US/08978635A Publication No. US20030087434A1
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
ORGANISM: Artificial Sequence
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Best Local Similarity
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TYPE: DNA ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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                                                                      APPLICANT: Rabbanium: Blazar
APPLICANT: Rabbanium: Blazar
APPLICANT: Babbanium: James J.
APPLICANT: Donegan, James J.
APPLICANT: Liu, Dakai
APPLICANT: Relker, No. US20010006814Alman E.
APPLICANT: Relker, No. US20010006814Alman E.
APPLICANT: Relker, No. US2001006814Alman E.
APPLICANT: Regelhardt, Dakai
TITLE OF INVENTION: NOVEL PROPERTY EFFECTING AND/OR PROPERTY EXHIBITING
TITLE OF INVENTION: NOVERTION: COMPOSITION: POR THERAPEUTIC AND DIAGNOSTIC USE
CURRENT APPLICATION NUMBER: US/08/978,633
CURRENT FILING DAFE: 199-11-25
SOFTWARE: Patentin Ver. 2.0
SSOFTWARE: Patentin Ver. 2.0
LENGTH: 30
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Sequence 38, Application US/08978634A;
Patent No. US20010006815A1
GENERAL INFORMATION:
APPLICANT: Rabbani, Elazar
APPLICANT: Donegan, James J.
APPLICANT: Liu, Dakai
APPLICANT: Liu, Dakai
APPLICANT: Elazar
APPLICANT: APPLACANT: AND APPLICANT: APPLACANT: BREFERENCE: Data J.
APPLICANT: BREFERENCE: BRZ-53(D2).081299;
CURRENT APPLICATION NUMBER: US/08/978,634A
CURRENT FILING DATE: 1997-11-25
NUMBER: OF SEQ ID NOS: 1997-11-25
SEQ ID NO 38
LENGTHA: 30
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67.0%; Score 13.4; DB 8; Length 30;
Best Local Similarity 93.3%; Pred. No. 7.9e+03;
Matches 14; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; OTHER INFORMATION: Description of Artificial Sequence:oligo US-08-978-633-38
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; OTHER INFORMATION: Description of Artificial Sequence:oligo
VGS-08-978-634-38
               Sequence 38, Application US/08978633
Patent No. US20010006814A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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08-978-633-38/0
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Sequence 13, Application US/08978637A
PREARM. NPOSANIONO6816A1
GREEKAL INFORMATION:
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Length 40;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Michael Mittmann
TITLE OF INVENTION: Method of Genetic Analysis of Probes:
TITLE OF INVENTION: Test3
FILE REFERENCE: 3119
CURRENY APPLICATION NUMBER: US/10/215,112
CURRENY FILING DAIE: 2002-08
NUMBER OF SEQ ID NOS: 14936
SEC ID NOS: 14936
SEC ID NO 870
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IITLE OF INVENTION: Regulation of Fungal Gene Expression FILE REFERENCE: 109272.152
CURRENT APPLICATION NUMBER: US/09/863,040
                                                                                                                                                                               Score 13.2; DB 9;
Pred. No. 9.9e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
64.0%; Score 12.8; DB 9;
Best Local Similarity 87.5%; Pred. No. 1.4e+04;
Matches 14; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ) OTHER INFORMATION: Synthetic Oligonucleotide US-10-215-112-870
                                                                           ; FEATURE:
; OTHER INFORMATION: Artificial DNA Sequence
US-10-093-365-6
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CURRENT FILING DATE: 2001-05-22
PRIOR APPLICATION NUMBER: US 60/066,129
PRIOR FILING DATE: 1997-11-19
PRIOR APPLICATION NUMBER: US 60/066,308
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PRIOR APPLICATION NUMBER: US 60/066,308
PRIOR FILING DATE: 1997-11-21
PRIOR PLILING DATE: 1997-11-24
PRIOR FLILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: US 60/078,610
                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 870, Application US/10215112
Publication No. US20030082596A1
GENERAL INFORMATION:
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Best Local Similarity 83.3%;
Matches 15; Conservative
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ORGANISM: Artificial Sequence
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Madhani, Hiren
Styles, Cora Ann
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APPLICANT: Robertson, Laura
APPLICANT: Summers, Eric F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Cali, Brian
Fink, Gerald R.
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Sherman, Amir
                              TYPE: DNA
ORGANISM: Artificial
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GENERAL INFORMATION:
APPLICANT: Schernthaner, Johann
APPLICANT: Piche, Caroline
TITLE OF INVENTION: Methods to Isolate Gene Coding and Flanking DNA
FILE REFERENCE: 0811.1200001
CURRENT FILING DATE: 2002-03-08
PRIOR APPLICATION NUMBER: US 60/274,239
PRIOR FILING DATE: 2001-03-09
NUMBER OF SEQ ID NOS: 47
SOFTWARE: Patentin version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                            Groskreutz, Debyra J.
TITLE OF INVENTION: Prohormone Convertase Transformed Cells and
Polypeptide Synthesis
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CURRENT APPLICATION DATA:
APPLICATION UNMER: US/09/997,868
FILING DATE: 12-Mar-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION NUMBER: 07/887265
FILING DATE: 22-May-1992
APPLICATION NUMBER: 07/803631
FILING DATE: 06-DEC-1992
APPLICATION NUMBER: PCT/US92/10621
FILING DATE: 04-DEC-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P0748P3
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                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
Sequence 13, Application US/09997868
Publication No. US20030031654A1
GENERAL INFORMATION:
APPLICANT: Gorman, Cornelia M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELECOMMUNICATION INFORMATION:
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FOR SEQ ID NO: 13:
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Matches 15; Conservative
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Search completed: June 25, 2003, 22:25:09 Job time: 61.7968 secs

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Sequence 19, Appl
Sequence 5, Appli
Sequence 8, Appli
                                                                                                                    June 24, 2003, 22:17:30 ; Search time 30.3586 Seconds (without alignments) 202.036 Million cell updates/sec
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Sequence 17,
Sequence 89,
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/cgn2_6/ptodata/2/ina/5B_COMB.seq:*
/cgn2_6/ptodata/2/ina/6A_COMB.seq:*
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/cgn2_6/ptodata/2/ina/PcTUS_COMB.seq:*
/cgn2_6/ptodata/2/ina/PcTUS_COMB.seq:*
               GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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US-08-318-867A-19

US-08-649-950-8

US-08-641-950-8

US-08-641-951-8

US-08-766-439-17

US-08-766-439-17

US-08-766-439-91

US-08-766-439-91

US-08-133-071-17

US-08-133-071-17

US-08-133-121-17

US-08-188-374-24

US-08-188-374-24
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US-07-862-831A-15
US-08-126-564A-15
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Maximum Match 100%
Listing first 45 summaries
                                                                                    OM nucleic - nucleic search, using sw model
                                                                                                                                                                                                                                      1 CATTTTTTGTTTGCTCTAGA 20
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Gapop 10.0 , Gapext 1.0
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Match Length
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Perfect score:
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                                                                                                                                                                                                                                        Sequence:
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| 99-11-99-11-98-99-11-98-99-11-99-11-99-11-99-99-11-99-99-99-99- | ALIGNMENT | tecting tand CREW sth Floor | core 20; Dred. No. 2. |
| 9-18 8-748 8-748 8-748 8-748 8-739 8-703 8 | LIGN | te C w | Score ? Pred. P |
| US-09-189-462-49 US-08-741-881-110 US-08-7139-158-110 US-08-739-167-110 US-08-931-869-110 US-08-931-869-110 US-09-236-140A-110 US-09-236-140A-110 US-09-236-140A-110 US-09-38-341-192 US-09-38-33-33 US-09-461-097-124 US-09-461-097-124 US-09-225-990-13 | ¥ | L. L. Detecting rase TOWNSEND and CRE Center, 8th Floo Se #1.0, Version 8/770,565 944 015389-002300US ON: | Scc Pre 0, N |
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| 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | P. 770-565-13 Puence 13, Application US/08 RERAL INFORMATION: APPLICANT: Kim, Nam Woo APPLICANT: Kim, Nam Woo APPLICANT: Kim, Nam Woo APPLICANT: Realey, James T APPLICANT: Wei, Fred APPLICANT: Wei, Fred APPLICANT: Wei, Scott TITLE OF INVENTION: Telone COUNTRY: USA ZIP: ADDRESSE: 26 COUNTRY: USA ZIP: SAI Francisco STREET: Two Embarcadero CITY: San Francisco STREET: Two Embarcadero CINTRENT APPLICATION DATA: APPLICATION NUMBER: 32, REGISTRATION NUMBER: 32, REFERRACE/DOCKET NUMBER: 32, REFERRACE/DOCKET NUMBER: 33, REFERRACE/DOCKET NUMBER: 32, REFERRACE/DOCKET NUMBER: 33, REFERRACE/DOCKET NUMBER: 34, REFERRACE/DOC | 100 100 100 |
| | | HLT 1 HB-770-565-13 Squence 13, Application U ttent No. 5846723 BAPLICANT: Kim, Nam Wo APPLICANT: Kim, Nam Wo APPLICANT: Kim, Nam Wo APPLICANT: Kealey, Jam APPLICANT: Weinrich, S TITLE OF INVENTION: PE NUMBER OF SEQUENCES: 2 CORRESPONDENCE ADDRESSES ADDRESSEE: TOWNSEND STREET: TWO Embarcad CITY: San Francisco STATE: California COUNTRY: USA ZIP: 94111-3834 COMPUTER: IBM PC COMP OPERATING SYSTEM: PC SOFTWARE: Patentin R COMPUTER: PATENTION DAT APPLICATION NUMBER: FILING DATE: 20-DEC- CLASSIFICATION: UNDER REGISTRATION: WAS TELEPRONE 415-576-030 NEORMATION FOR SEQ ID NO SEQUENCE CHARACTERISTIC TELEPRONE 415-576-030 NEORMATION FOR SEQ ID NO SEGUENCE CHARACTERISTIC LENGTH: 20 base pair TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear MOLECULE TYPE: DNA | Vat |
| 4 4 4 4 4 4 4 4 4 4 9 9 9 9 9 9 9 9 9 9 | | 13. Application 18.46723 18.46723 18.7 Kim, Nam 18.7 Kim, Nam 18.7 Kim, Nam 18.7 Weinrich 18.7 Weinr | Similarity 0, Conser |
| | | -13 Appl FIREAD | imi , |
| 1122 1 1 1 1 1 2 2 2 3 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | | HULT 1 108-770-565-13 108-770-565-13 108-770-565-13 108-770-565-13 108-78-10-10-10-10-10-10-10-10-10-10-10-10-10- | -5 -6 |
| 800HUM4N0V800HUM4N | | SULT 1 Patent No. GENERAL IN APPLICAN TITLE OF UNMEST OF UNMEST OF APPLICAN COMPUTER COMPUTER APPLICA COMPUTER APPLICA COMPUTER MEDIUM COMPUTER APPLICA TELEPH TELE | y Matc Local |
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Sequence 6, Ap Sequence 207,

US-09-339-972-33 US-08-510-215A-11

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GENERAL INFORMATION:
APPLICANT: Shigman, Robert
APPLICANT: Chigman, Agnes
APPLICANT: Chushner, James
APPLICANT: Leushner, James
APPLICANT: Leushner, James
APPLICANT: Leushner, James
APPLICANT: Dunn, James M.
TITLE OF INVENTION: METHOD AND REAGENTS FOR TESTING FOR
TITLE OF INVENTION: MUTATIONS IN THE BRCA1 GENE
NUMBER OF SEQUENCES: 77
CORRESPONDENCE ADDRESSS:
ADDRESSEE: 1992 Commerce Street Suite 309
CITY: YORKLOWN
STATE: NY
COUNTRY: US
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
CORRATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/952,089A
FILING DATE:
CLASKI DATE:
ATCRNEY/AGENT INPORMATION:
NAME: WEINER, MARC 5.
REGISTRATION NUMBER: 32,181
REFRENCE/COCKET NUMBER: 1422-0319P
TELECHONE: 703-205-8000
TELECHONE: 703-205-8050
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: QS base pairs
TYPE: nucleic acid
TYPE: nucleic acid
TYPE: nucleic acid
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 10598
COMPUTER: READABLE FORM:
MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Mb storage
COMPUTER: IBM compatible
OPERATING SYSTEM: MS DOS
SOFTWARE: Word Perfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/649,950
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 90.0%; Score 18; DB Best Local Similarity 100.0%; Pred. No. 16; Matches 18; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "synthetic DNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-649-950-8/c
; Sequence 8, Application US/08649950
; Patent No. 6403303
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PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: MARKEY/AGENT INFORMATION:
NAME: Larson, Martha T.
REGISTRATION NUMBER: 20,038
REFERENCE/DOCKET NUMBER: VGI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE: (914) 245-32 TELEFAX: (914) 962-4330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-952-089A-5
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APPLICANT: ATUSHI OHSHIMA
APPLICANT: SUMIKO INOUVE
APPLICANT: SUMIKO INOUVE
APPLICANT: MARAYORI INOUVE
APPLICANT: MALESER & ASSOCIATES, P.C.
CORRESPONDENCE ADDRESS:
ADDRESSEE: 210 S. 15th ST.
CITY: PHILADELPHIA, PA
COUNTY: U.S.A.
COMPUTER READABLE FORM:
MEDIUM TYPE: 19102
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
OFTWARE: PATENTIN Release #1.0, Version #1.25
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
OFTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: 377.6120P
TELECHOMY CATION INFORMATION:
TELECHOMY CATION INFORMATION:
TELECHOMY FOR SEQ. ID NO: 19:
SEQUENCE CHARACTERISTICS:
TELERAM: (215) 875-8383
INFORMATION FOR SEQ. ID NO: 19:
TELERAM: LENGTH: 28 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 18; DB 1; Length 28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STEWART, KOLASCH & BIRCH, LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 90.0%; Score 18; DB Best Local Similarity 100.0%; Pred. No. 16, Betches 18; Conservative 0; Mismatches
                                                                                                                             US-08-318-867A-19/c
; Sequence 19, Application US/08318867A
; Patent No. 5714323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      -08-952-089A-5/c
Sequence 5, Application US/08952089A
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APPLICANT: SAGAMA, HIROAKI
APPLICANT: UENO, HARUMI
APPLICANT: UENO, HARUMI
APPLICANT: KATO, IKUNOSHIN
TITLE OF INVENTION: PLASMID
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 22040-0747
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: BIRCH, ESTREET: PO BOX 747
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: sing
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US-08-318-867A-19
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COUNTRY:
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, MOLECULE TYPE: DNA (genomic) US-08-766-439-17
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Best Local Similarity 88.2%;
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              27 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                             CITY: WILMINGTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               linear
                                                                                                                                                                                                                                                                                                                          STATE: DELAWARE
                                                                                                                                                                                                                                                            ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-766-439-89
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Sequence 253, Application US/08961083

Sequence 253, Application US/08961083

Patent No. 6159469

GENERAL INFORMATION:

TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines

NUMBER OF SEQUENCES;

ADDRESSE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 14.2; DB 3; Length 40;
Pred. No. 6.6e+02;
0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                           Query Match 71.0%; Score 14.2; DB 4; Length 21; Best Local Similarity 84.2%; Pred. No. 6.3e+02; Matches 16; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                           ; OTHER INFORMATION: amplification primer for BRCA1 gene US-08-649-950-8
                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 20850

ZIP: 20850

MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/961,083
                             TOPOLOGY: linear MOLECULE TYPE: other nucleic acid HYPOTHETICAL: no
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION: 435
PRIOR APPLICATION DATE:
ATORNEY AGENT INFORMATION:
NAME: Brookes, A. Anders
REGISTRATION NUMBER: 36,373
REPRENCE/DOCKET NUMBER: 18,373
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
                                                                                                                                                                                                                                                                                                                                                                  CIAGA 20
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TELEPAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 253:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 71.0%;
Best Local Similarity 84.2%;
Matches 16; Conservative
                                                                                                    ANTI-SENSE: yes
FRAGMENT TYPE: internal
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         40 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: double
TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                  2 ATTTTTTGTTTGC
                                                                                                                                                                     ORGANISM: human
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Gaps
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Patent No. 592538

GENERAL INFORMATION:
APPLICANT: HAZEL, JAMES WILLIAM
APPLICANT: JENSEN, MARK ANTON
TITLE OF INVENTION: GENERIC MARKERS AND METHODS FOR
TITLE OF INVENTION: MONOCYTOGENES AND LISTERIA
TITLE OF INVENTION: MONOCYTOGENES AND LISTERIA SPP.
TITLE OF SEQUENCES: 110
CORRESPONDENCE ADDRESS:
ADDRESSEE: E. I. DU PONT DE NEMOURS AND COMPANY
Sequence 17, Application US/08766439
Patent No. 5922538
Patent No. 5922538
Patent No. 5922538
Patent No. 5922538
Patent INVENTION:
APPLICANT: JAMES WILLIAM
APPLICANT: JANESN, MARK ANTON
TITLE OF INVENTION: THE DETECTION OF LISTERIA
TITLE OF INVENTION: MONOCYTOGENES AND LISTERIA SPP.
NUMBER OF SEQUENCES: 110
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SSEE: B. I. DU PONT DE NEMOURS AND COMPANY
PILMINGTON
                                                                                                                                                                                                                                                       3: E. I. DU PONT DE NEMOURS AND COMPANY 1007 MARKET STREET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 13.8; DB 2;
Pred. No. 9.4e+02;
0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                      COUNTRY: U.S.A.

ZIP: 19888
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.50 INCH DISKETTE
COMPUTER: BIR PC COMPATIBLE
COMPUTER: MICROSOFT WINDOWS 3.1
SOFTWARE: MICROSOFT WORD 2.0C
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,439
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: FLOYD, LINDA AXAMETHY
REGISTRATION NUMBER: 33,692
RECISERNCE/DOCKET NUMBER: MD-1065-A
TELECOMMUNICATION:
TELEPHONE: 302-892-8112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION: 435
PRIOR APPLICATION DATA.
APPLICATION NUMBER: 08/745,228
FILLING DATE: NOVEMBER 8, 1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: WILMINGTO
STATE: DELAWARE
COUNTRY: U.S.A.
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Gaps
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GENERAL INCRAMINE.

APPLICANT: Yechezkel Kashi et al.

TITLE OF INVENTION: HYDERFOLYMORPHIC SINGE SEQUENCE SEPEATS

TITLE OF INVENTION: HYDERFOLYMORPHIC SINGE SEQUENCE SEPEATS

TITLE OF INVENTION: HYDERFOLYMORPHIC SINGE SEQUENCE SEPEATS

TITLE OF INVENTION: HYDERFOLYMORPHIC SINGE SAME FOR INVENTION: PROKARYOTE CLASSIFICATION AND TYPING

TITLE OF INVENTION: PROKARYOTE CLASSIFICATION AND TYPING

NUMBER OF SEQUENCES:
ADDRESSE: MARK M. Friedman c/o Anthony Castorina STREET: 2001 Jefferson Davis Highway, Suite 207

CORRESPONDENCE ADDRESS:
CONTY: United States of America STATE: Virginal STATE: STATE: STATE: MAINOWS Version 3.11

SOFTWARE: TWINDOW NATA: APPLICATION DATA: APPLICATION NUMBER: US/09/472,035A

FILING DATE: FLIANG PATE:

RILING DATE:
FILING DATE:
FILING DATE:
FILING DATE:
FILING PATE: Friedman MATK M.

NAME: Friedman MATK M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
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68.0%; Score 13.6; DB 4; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.1e+03;
Matches 16; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                               Query Match 69.0%; Score 13.8; DB 2; Length 30; Best Local Similarity 88.2%; Pred. No. 9.5e+02; Matches 15; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 8, Application US/09472035A, Patent No. 6322985
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 CATITITIGITIGCICIAGA 20
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                                                                                                                                                                                                                                                TOPOLOGY: linear ; MOLECULE TYPE: DNA (genomic) US-08-766-439-91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Friedmam, Mark M. REGISTRATION NUMBER: 33,88 REFERENCE/DOCKET NUMBER: 7 TELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEPHONE: 972-3-562555:
TELEFAX: 972-3-5625554
TELEX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 20
TELEPHONE: 302-892-811
TELEPX: 302-773-0164
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-472-035A-8
                                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-472-035A-8/c
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Sequence 91, Application US/08766439
Patent No. 5922538
GRERAL INFORMATION:
APPLICANT: HAZEL, JAMES WILLIAM
APPLICANT: TESEN, MARK ANTON
TITLE OF INVENTION: THE DETECTION OF LISTERIA
TITLE OF INVENTION: THE DETECTION OF LISTERIA SPP.
NUMBER OF SEQUENCES: 110
CORRESPONDENCE ADDRESS: 110
CORRESPONDENCE ADDRESS: 120 NONOYTOGENES AND COMPANY
STREET: 1007 MARKET STREET
CITY: WILMINOTON
STREET: 1007 MARKET STREET
CONTRY: U.S.A.
ZIPS 350 INCH DISKETTE
COMPUTER: 13898
COMPUTER: 138 PC COMPATIBLE
COMPATING SYSTEM: MICROSOFT WINDOWS 3.1
PUTLING DATA:
PUTLING DAT
                                                                       MEDIUM TYPE: 3.50 INCH DISKETTE
COMPUTER: 1BM PC COMPATIBLE
COMPUTER: 1BM PC COMPATIBLE
COMPUTER: 1BM PC COMPATIBLE
COMPUTER: 1BM PC COMPATIBLE
CONTRADE: MICROSOFT WOND 2.0C
CURRENT APPLICATION DATA:
PILING DATE: WOUNDER: 05/04/5,228
FILING DATE: WOVEMBER 9, 1996
ATTORNEY/AGENT INFORMATION:
NAME: FLOYD, LINDA AXAMETHY
REGISTRATION NUMBER: 33.692
REFERENCE/DOCKET NUMBER: MD-1065-A
TELECHONNINI INFORMATION:
TELECHONE: 302-892-8112
TELECHONE: 302-892-8112
TELECHONE: 302-793-0164
INFORMATION FOR SEQ ID NO: 89:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 Dase PAISE
TYPE: MUCLEIC acid
TYPE: MUCLEIC acid
TYPE: MUCLEIC acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIPICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/745,228
FILING DATE: NOVEMBER 8, 1996
ATTORNEY/AGENT INFORMATION:
NAME: FLOYD, LINDA AXAMETHY
REGISTRATION NUMBER: 33,692
REFERENCE/DOCKET NUMBER: 33,692
TELEÇOMMUNICATION: INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3 TTTTTTGTTTGCTCTAG 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-766-439-89
        ZIP: 19898
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.50 IN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .08-766-439-91
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                                                                                   CITY: B0301

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4 Mb storage

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4 Mb storage

COMPUTER: Apple Macintosh

OPERATING SYSTEM: System 7.0.1

SOFTWARE: Microsoft Word 5.0a

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/609,271

FILING DATE: 28 February 1996

CLASSIFICATION NUMBER: 08/188,374

FILING DATE: 1/27/94

APTORNEY/AGENT INFORMATION:

NAME: NO. 5811264e11; Marianne F.

REGISTRATION NUMBER: 38571

NAME: Brown, Theresa 38571

NAME: Brown, Theresa 32547

RECOMMUNICATION NUMBER: 32547

RECOMMUNICATION NUMBER: 313-441-3313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STATE: Colorado
ZIP: 80301
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4 Mb storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: Plonmer, J. Jeffrey
APPLICANT: Ryland, James R.
APPLICANT: Matthews, Maura-Ann H.
APPLICANT: Traylor, David W.
APPLICANT: Milne, Erin B.
APPLICANT: Milne, Erin B.
APPLICANT: Mathews, Antony J.
APPLICANT: Wathews, Antony J.
APPLICANT: Neway, Justin O.
TITLE OF INVENTION: Purification of Hemoglobin
NUMBER OF SEQUENCES: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 68.0%; Score 13.6; DB 1; Best Local Similarity 80.0%; Pred. No. 1.1e+03; Matches 16; Conservative 0; Mismatches 4;
                                E: Somatogen, Inc.
2545 Central Avenue, Site FD-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: Somatogen, Inc.
STREET: 2545 Central Avenue, Suite FD1
CITY: Boulder
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear
MOLECULE TYPE: beta gene fragment
HYPOTHETICAL: no
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: Apple Macintosh
OPERATING SYSTEM: System 7.0.1
SOFTWARE: Microsoft Word 5.0a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17, Application US/08438511
Patent No. 5840851
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 CATTTTTTGTTTGCTCTAGA 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: 303-444-3013
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRANDEDNESS: single
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS ADDRESSE: Somatoger
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Traylor, David W.
APPLICANT: Williams, Lee R.
APPLICANT: Witchell, David J.
APPLICANT: Clivers, Mark L.
APPLICANT: Belval, Thomas K.
TITLE OF INVENTION: Method for the Rapid Removal of
TITLE OF INVENTION: Protoporphyrin IX from Protoporphyrin IX-Containing Solutions
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Aicken, Jacqueline F.
APPLICANT: Apostol, Izydor Z.
APPLICANT: Lippincott, Julie A.
APPLICANT: Lippincott, Julie A.
TITLE OF INVENTION: Proteins with Mutations to Decrease N-Terminal Methylation
NUMBER OF SEQUENCES: 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 68.0%; Score 13.6; DB 1; Length 29; Best Local Similarity 80.0%; Pred. No. 1.1e+03; Matches 16; Conservative 0; Mismatches 4; Indels
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                                                                                                                                                                                                                                                                                                        Ryland, James R.
Matthews, Maura-Ann H.
Ernst, Ulrich P.
Houk, Daniel E.
                                                                                                                                                                                               Sequence 17, Application US/08153071
Patent No. 5665869
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 24, Application US/08609271
Patent No. 5811264
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 CATTTTTTGTTTGCTCTAGA 20
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-609-271-24/c
                                                                                                                                                                  US-08-153-071-17/c
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APPLICANT: Attken F., Jacqueline
APPLICANT: Attken F., Jacqueline
APPLICANT: Apostol. Irydor Z.
APPLICANT: Lippincott. Julie A.
APPLICANT: Levine, Joseph D.
TITLE OF INVENTION: Proceins with Mutations to Decrease N-Terminal Meth
FILE REFERENCE: BXTB 1953
CURRENT APPLICATION NUMBER: US/08/188,374B
CURRENT APPLICATION NUMBER: US/08/188,374B
NUMBER OF SEQ ID NOS: 49 
SOFTWARE: Patentin Ver. 2.1

LENGTH: 29
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Sequence 16, Application US/08403866

FALENCH NO. 5643779

GENERAL INFORMATION:

APPLICANT: Gold, Jean-Jacques

APPLICANT: Renault, Pierre

APPLICANT: Renault, Pierre

TITLE OF INVENTION: Synthase from Lactococcus and its applications

TITLE OF INVENTION: Synthase from Lactococcus and its applications

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ) OTHER INFORMATION: Description of Artificial Sequence: beta gene; OTHER INFORMATION: fragment US-08-188-374-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 68.0%; Score 13.6; DB 3; Length 29; Best Local Similarity 80.0%; Pred. No. 1.1e+03; Matches 16; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                              Length 29;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 80.0%; Pred. No. 1.1e+03;
Matches 16; Conservative 0; Mismatches 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 24, Application US/08188374B Patent No. 6140071 GENERAL INFORMATION:
                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDENESS: aingle
TOPOLGGY: unknown to applicant
MOLECULE TYPE: Other nucleic acid
US-08-487-431-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 CATTITIGITIGCICIAGA 20
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NAME: RAMBEY R. Stewart
REGISTRATION NUMBER: 38,322
REFERENCE/DOCKET NUMBER: 61
TELECOMMUNICATION INFORMATION:
TELEPHONE: 303-441-356
TELEFAX: 303-444-3013
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 29
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 14
US-08-188-374-24/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Anderson, David C.
APPLICANT: Mathews, Antony J.
APPLICANT: Tarimble, Stephen J.
APPLICANT: Anthony-Cahill, Spencer
TITLE OF INVENTION: Modified Hemoglobin-like Compounds
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Somatogen, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZITE: COLORAGO

COMPUTER READBLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4 Mb storage
COMPUTER: Apple Macintosh
OPERATING SYSTEM: System 7.5
SOFTWARE: Microsoft Word 5.0a
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,431
FILING DATE: June 7, 1995
CLASSIFICATION SATA:
APPLICATION NUMBER: 08/240,712
FILING DATE: No. 5844090ember 6, 1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 68.0%; Score 13.6; DB 2; Best Local Similarity 80.0%; Pred. No. 1.1e+03; Matches 16; Conservative 0; Mismatches 4;
                                                                          PULASIFILATION: 350
PULASIFILATION: 350
RAPPLICATION NUMBER: 08/339,304
FILING DATE: No. 5840815ember 14, 1994
FILING DATE: No. 5840815ember 14, 1994
PRIOR APPLICATION NUMBER: 08/097,273
FILING DATE: July 23, 1993
ATTORNEY/AGENT INFORMATION:
NAME: No. 5840851elli, Marianne F.
REGISTRATION NUMBER: 191
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Theresa A.
REGISTRATION NUMBER: 191
TELECOMMUNICATION NUMBER: 191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET: Somatogen, Inc.
STREET: 2545 Central Avenue, Suite FD1
STATE: Colorado
ZIP: 80301
      APPLICATION NUMBER: US/08/438,511 FILING DATE: 10 May 1995 CLASSIFICATION: 530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: beta gene fragment
HYPOTHETICAL: no
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-487-431-20/c
; Sequence 20, Application US/08487431
; Patent No. 5844090
; GENERL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 CATTITIGITIGCICTAGA 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 29
                                  FILING DATE: 1
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SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION DATA:
FILING DATE:
FILING DATE:
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
REGISTRATION NUMBER: 30, 727
REFERENCE/OCKET NUMBER: 20747/30

TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION FOR 560 1487
TELEX: 978450 (WUT)
INFORMATION FOR 560 ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDENESS: single
TYPE: nucleic acid
STRANDENESS: single
TYPE: NAME: TOPOLOGY: linear
MOLECULE TYPE: NA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-403-866-16

Query Match
Best Local Similarity 93.3%; Pred. No. 1.48+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Search completed: June 25, 2003, 00:24:42 Job time: 32.3586 secs

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Perfect score:

Sequence:

OM nucleic

Run on:

Scoring table:

Word size :

Database

Searched:

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E 1 (bases 1 to 37)

S Alonso, J.M., Leisse, T.J., Barajas, P., Chen, H., Cheuk, R., Gadrinab, C., Gaske, A., Karnes, M., Kim, C.J., Parker, H., Prednis, L., Shinn, P., Zimmerman, J. and Bcker, J.R.
A Sequence-Indexed Library of Insertion Mutations in the Arabidopsis Genome
L Unpublished (2001)
Contact: Joseph R. Ecker
Salk Institute Genomic Analysis Laboratory (SIGnAL)
The Salk Institute for Biological Studies
10010 N. Torray Pines Road, La Jolla, CA 92037, USA
Tel: 858 453 4100 x1752
                                                                                     AA911862 og21a09.6
AA626219 1M0466B23
AL641482 AL641482
AU007015 AU007015
AU077016 AU007016
AZ78573 2M0029H19
AZ78667 2M0026A01
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AZ827050 ZM01038L7
AZ808163 ZM0071N08
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R77576 Y179807.r1
BEZ67796 601124604
                                                                                                                                                                                                                                                                                          AZ650252 1M0520N17
AZ579122 1M0363G19
AZ308846 1M0012H15
AZ627840 1M0474B05
                                                                                                                                                                                                                                                                                                                                                                                   BH790191 37 bp DNA linear GSS 02-APR-2002 SALK 056569.17.50.x Arabidopsis thaliana TDNA insertion lines Arabidopsis thaliana genomic clone SALK_056569.17.50.x, DNA
                                                                                                                                                                                                                                 A1267816 aq35c09.x
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AU105307 AU105307
AA607953 vm39h06.r
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Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, eudicotyledons, core eudicots,
Rosidae, eurosids II, Brassicales, Brassicaceae, Arabidopsis.
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AW248574 2821096.3
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This is single pass sequence recovered from the left border of
                                                                                                                                                                                                                                                                                                                                          ALIGNMENTS
      AZ308225
AZ333171
AW245275
AZ591593
AZ807733
AZ807060
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BZ207960
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AL764740 Arabidops
AU107157 AU107157
AZ223986 1M0045P09
AZ468097 1M0279K22
                                                    June 23, 2003, 04:47:09; Search time 1031.16 Seconds (without alignments) 314.123 Million cell updates/sec
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Compugen Ltd.
                                                                                                                                               16154066 seqs, 8097743376 residues
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      GenCore version
Copyright (c) 1993 - 2003
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                                      nucleic search, using sw model
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AZ488263
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Gapop 60.0 , Gapext 60.0
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Shinn, P.

Score

Result No.

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us-08-770-564a-13.oligo.rst

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was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide Kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gal electrophoresis. Vector DNA was prepared from a derivative of pwna2 (gi[472114] gp][APL19072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli Kil0-Gold (Stratagene) cells and selected for ampicillin resistance."
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Location/Qualifiers
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Arabidopais thaliana T-DNA flanking sequence GK-130E02-012667,
Arabidopais enrvey sequence.
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AL764740.1 GI:21517783
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Arabidopsis thaliana
Bukaryochyta; Embryophyta; Tracheophyta;
Sukaryothyta; Wagnoliophyta; eudicotyledons; core eudicots;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Rosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
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/clone="dk-110E02-012667"
/clone="tk-110E02-012667"
/clone="tk-110E02-012667"
/clone="pcR was performed on DNA from Arabidopsis thaliana
plants (T1) which were transformed with the T-DNA from
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A pipeline for aucomated high-throughput generation of FSTs (flanking sequence tags) from Arabidopsis thaliana T-DNA transformed lines Uppublished
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     60.0%; Score 12; DB 17; Length 23; llarity 100.0%; Pred. No. 9.6e+04; Conservative 0; Mismatches 0; Indels
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Strizhov, N., Li, Y., Rosso, M. and Weisshaar, B.
Direct Submission
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/strain="Columbia 0"
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Matches 12; Conserv
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AL764740
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                                                                                                                                                                                         /strain="columnia" 0"
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/clone="SALK 056569 17.50.x"
/clone="SALK 056569 17.50.x"
/clone="CR was performed on Arabidopais thaliana lines
each of which contains one or more TDNA insertion
elements The resultant fragment for each line was
directly sequenced to determine the genomic sequence at
the site of insertion. Details of the protocols used can
be found at http://signal.salk.edu/tdna_protocols.html"
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Mus musculus

Bukaryota: Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Bukaryota: Metazoa; Chordata; Sciurognathi; Muridae; Murinae; Mus.

1 (Dases 1 to 23)

Bunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,

Blam, H., Longarce, S., Mahmoud, M., Menens. B., Pedersen, T., Reilly, M., Rose, M., Rose, M., Stokes, R., Stokes, R., Tingey, A., von Niederhausern, A.

Mouse whole genome scaffolding with paired end reads from 10kb
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/note="Vector: PWM92nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     65.0%; Score 13; DB 17; Length 37;
1larity 100.0%; Pred. No. 3.2e+04;
Conservative 0; Mismatches 0; Indels
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Fax: 801 585 7177
Fax: 801 585 7177
Enail: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0318 row: N column: 21
Seg primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
High quality sequence stop: 23.
Location/Qualiflers
                                                                                                                                                                /organism="Arabidopsis thaliana"
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|strain="C57BL/6J"
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Context: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 1909, Biomedical Polymers Rese
    TDNA.
Class: TDNA tagged.
Location/Qualifiers
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(http://www.jax.org/resources/documents/dhares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoreais. Vector DNA was prepared from a derivative of pWD42 (gil |473214 |gb| |A129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
TR. 308, Blomedical Polymers Research Bldg., 20 S. 2030 B., SLC, UT
84112, USA
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                                                                                                                                                      Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (2008) 1 (20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               clone_lib="Mouse 10kb plasmid UUGC1M library"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: C
Plate: 0045 row: P column: 09
Seg primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
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/strain="C57BL/6J"
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/clone="UUGCIM0045P09"
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Location/Qualifiers
AZ323986.1 GI:10379252
GSS.
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Fax: 801 585 7177
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AZ468097
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                 vector pAC161. The lines contain one or more T-DNA insertions. The DNA fragment(s) resulting from the PCR were directly sequenced to determine the genomic sequence flanking the insertion. Sequences displaying significant similarity to the A. thalaina nuclear genome sequence processed for submission. T-DNA derived sequences were
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 50)

2 (bases 1 to 50)

3 (buzuki, Y., Taira, H., Tsunoda, T., Mizushima-Sugano, J., Sese, J., Hata, H., Ota, T., Isogai, T., Tanaka, T., Morishita, S., Okubo, K., Sakaki, Y., Nakamura, Y., Suyama, A. and Sugano, S.

Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites

EMBO Rep. 2 (5), 388-393 (2001)
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Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitcmo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano,S. Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
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AU107157 Sugano Homo sapiens cDNA library Homo sapiens cDNA clone
LNG02840, mRNA sequence.
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/note="Differential display comparison of untreated and
dimethylfumarate treated U937 cells"
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/organism="Homo sapiens"
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/clone="LNG02840"
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Mus musculus

Bukaryota, Metazoa, Chordata, Craniata, Vertebrata; Euteleostomi,
Bukaryota, Metazoa, Chordata, Craniata, Vertebrata; Euteleostomi,
Butheria; Rodentia; Sciurognathi; Muriae; Mus.

1 (bases 1 to 23)
10 Angaj, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
Bunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly
M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
Unpublished (2000)
Contact: Robert B. Weiss
University of Utah
Rm. 308, Blomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
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24 bp DNA linear GSS 29-SEP-2000 IM0011E06F Mouse 10kb plasmid UUGCIM library Mus musculus genomic clone UUGCIM0011E06 F, DNA sequence.
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Best Local Similarity 100.0%; Pred. No. 2.6e+05;
Matches 11; Conservative 0; Mismatches 0; Indels
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Rm. 308, Biomea...
84112, USA
Tel: 801 585 506
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Brror: 0.00
Plate: 0434 row: J column: 13
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 23.
Location/Qualifiers
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AZ609822.1 GI:11732012
GSS.
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AUTHORS
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SM Mus maclaid.

Mus maclaid.

Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Musinae; Mus.

E 1 (basea 1 to 23)

B 1 (basea 1 to 23)

B 2 (basea; Musinae; Musinae; Musinae; Musinae; Musinae; Musinae; Musinae; Mamoud, M.; Meen, E.; Pedersen, T.; Reilly, M.; Rose, M.; Rose, R.; Stokes, R.; Tingey, A.; von Niederhausern, A.; Monse whole genome scaffolding with paired end reads from 10kb

D Contact: Robert B. Weiss

University of Utah Genome Center

University of Utah Genome Center
                                                                                                                                                                                                                                                                                                        Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 4112, US 8 Soft Blds., SLC, UT 412, US 8 Soft Blds., SLC, UT 512, SUI 58 Soft Brail: 801 585 7177

Email: 6dunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00

Blate: 0.279 row. K column: 22

Seq primer: CACACAGAAACAGCTTATGACC
Class: plasmid ends AACAGCTATGACC
Class: plasmid ends AACAGCTATGACC
High quality sequence stcp: 23.
Location/Qualifiers
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100.0%; Pred. No. 2.6e+05;
ive 0; Mismatches 0; Indels
            AZ468097.1 GI:10626222
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Best Local Similarity 100.
Matches 11; Conservative
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AZ609822
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//note="Vector: PWD42rv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gil 4772114)[gh]AF129072.1); a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli Xil0-Gold (Stratagene) cells and selected for ampicillin resistance."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Contact: Robert B. Weiss
University of Utah
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
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                                                                                                                                                    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 24)
                                                                                                                                                                                                                                                                  Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, B., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           'lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Email: ddunn@genetics.utah.edu
Insert Length: 1000 Std Error:
Jate: 0062 row. B column: 08
Seg primer: CGTTGTAAAACGACGCCAGT
Class: plasmid ends

    .24
    /organism="Mus musculus"
/strain="C57BL/6J"

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/clone="UUGC1M0062B08"
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Location/Qualifiers
           AZ333171.1 GI:10397528
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Unpublished (2000)
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Fax: 801 585 7177
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Sukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Musinae; Mus.
1 (bases 1 to 24)
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Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
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1M0062B08F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0062B08 F, DNA sequence.
AZ333171
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Insert Length: 10000 Std Error: 0.00
Plate: 0011 row: E column: 06
Seg primer: CGTTGTAAAACGACGCCAGT
Class: plasmid ends
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Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
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   AZ308225.1 GI:10348004
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Fax: 801 585 7177
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AZ807733
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AUTHORS
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In (back the continue of Health, Mammalian Gene Collection (MGC)

Unpublished (1999)

Other EST8: 2819996.5prime

Contact: Robert Strausberg, Ph.D.

Email: cgapbs remail infl.gov

Tissue Procurement: DCTD/TUP cDNA Library Preparation: Ling

Hong/Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E.

Consortium (LLML) DNA Sequencing by: Berkeley MGC sequencing

project Clone distribution: MGC clone distribution information can

be found through the I.M.A.G.E. Consortium/Lukn at:

www-bio.llnl.gov/bbrp/image/image.html Base Calling / Ouality

scores: PHRED from University of Washingtion Genome Center.

Trimming: cross mactor from University of Washingtion Genome Center.

PHRAP suite: Poly-T Identification: patmatch.pl from Berkeley

prospoblia Genome Project: University of Washingtion Genome Center:

http://www.genome.washington.edu Low Quality Sequence: O contiguous

PHRED high quality bases following vector sequence: Very Low

Quality Sequence: Trace file contained 25 contiguous distinct packs

following vector sequence. Polyadenylation: Based upon the presence

of a XhoI site followed by a run of 14 or more T residues at the

beginning of the sequence, this cDNA insert was polyadenylated.

Location/Qualifiers

Location/Qualifiers
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/organism="Homo sapiens"
/db_xref="texon:9606"
/clone=link=NiMAGIS_2019956"
/clone=linb=NiH MGC 7"
/clone=linb=NiH Made by Oligo-dr priming. Directionally
Cloned into EcoRI/Xhol sites using the following 5'
adaptor: GGCACGAG(G). Size-selected >500bp for average
inser size 1.8Mb. Library constructed by Ling Hong in
the laboratory of Gerald M. Rubin (University of
California, Berkeley) using ZAP-DNA synthesis kit
(Stratagene) and Superscript II RT (Life Technologies)."
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Mus musculus
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 27)
Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
                                                                                Homo sapiens
Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
1 (bases 1 to 25)
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     AW245275.1 GI:6588268
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Matches 11; Conservative
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TITLE FORMERY TO THE FORMERY S. Mahmoud, W. Resense, P. Pedersen, J. Redenhausern, J. Roberts, M. Rober, M. Roberts, R. Roberts, M. Roberts, M. Roberts, M. Roberts, M. Roberts, M. Roberts, R. Roberts, M. Roberts, M. Roberts, M. Roberts, R. Roberts, M. Roberts, R. Roberts, M. Roberts, R. Roberts, R
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/note="Vector: PMD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel
Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
and Wright, D., Weiss, R.
Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
Unpublished (2000)
Contact: Robert B. Weiss
University of Utah
Rm. 308, Blomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         of pWD42 (gi|4732114|gb|AFL29072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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2M0071N08R Mouse 10kb plasmid UUGCIM library Mus musculus genomic
clone UUGC2M0071N08 R, DNA sequence.
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Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Musinae; Mus.
1 (bases 1 to 30)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /strain="C57BL/6J"
/db xref="taxon:10090"
/clone="UUGC2M0103F17"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       55.0%; Score 11; DB 17; Length 29; 100.0%; Pred. No. 2.5e+05; , ive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                     Tel: 801 585 5606
Fax: 801 585 7177
Email: dduun@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0103 row: F column: 17
Seq primer: CGTTGTAAAACGACGCCAGT
Class: plasmid ends
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      organism="Mus musculus"
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Location/Qualifiers
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84112, USP
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalla; Eutherla; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 29)
Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
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2M0103F17F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC2M0103F17 F, DNA sequence.
Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
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/sex="Male"
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                                                                                                                                                                                                                                                                                                                                                                                     Insert Length: 10000 Std Error: 0.00 Plate: 0070 row: H column: 16 Seg primer: CACACAGGAAACAGCTATGACC Class: plasmid ends
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0070H16"
                                                                                                                                                               Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              High quality sequence stop: 27.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                  Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
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                                                                                                                                                                                                     Unpublished (2000)
Contect: Robert B. Weiss
University of Utah Genome Center
University of Utah
Weiss John Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
1112, USA
1115 801 585 506
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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31 bp mRNA linear EST 23-APR-195
vt29e0.1 Barstead mouse proximal colon MPLRB6 Mus musculus cDNA
clone IMAGE:1164508 5' similar to TR:Q33565 G33565 EATRO 164
KINETOPLAST CR3.; mRNA sequence.
Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /Organismis="rub" incourses/
| Strain="C757BL/6J" |
| Ab xref="taxon:10090" |
| Alba=="UUGCZM0071R08" |
| Clone ilb="Mouse 10kb plasmid UUGCIM library" |
| Sex="Male" |
| Alba bost="E. Coli strain X110-Gold, T1-resistant, F-" |
| Alba bost="Vector: PWD42nv; Purified genomic DNA from M. |
| Musculus C57BL/6J (male) was obtained from the Jackson Liboratory Mouse DNA Resource |
| 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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100.0%; Pred. No. 2.5e+05;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0071 zow: N column: 08
Seg primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              organism="Mus musculus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      High quality sequence stop: 30.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AA929219
AA929219.1 GI:3078528
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Best Local Similarity 100.
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3 TITITITE 13
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Mus musculus
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AA929219/c
LOCUS
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ORGANISM
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ORIGIN
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VERSION
KEYWORDS
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                                                                                                                                                                                                                   JOURNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ij
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                                                                                                                             TITLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       δ
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AUTHORS Gariells. W. Hillier, L. Allen, Bowless, W. Dietrich, N. Dubuque, T., Schelsells. W. Hiller, L. Allen, W. Wattin, J. Morris, W. Schelsells. W. Hiller, L. Lemon, G., Scares, B., Wilson, R. and Herston, R. Theising, B. Wilson, T. Lacy, M. Tan, F., Underwood, K., Moore, B., Theising, B. Wilson, T. Lacy, M. Tan, F., Underwood, K., Moore, B., Waterston, R. Wash-Hall Mouse EST Project

COWNEAN Unpublished (1986)

The Mash-Hall Mouse EST Project

Wash-Hall Mouse EST Project

World Mouse EST Project

Wash-Hall Mouse EST Project

Was
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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OM nucleic - nucleic search, using sw model

June 23, 2003, 05:45:21 , Search time 877.928 Seconds Run on:

(without alignments) 158.668 Million cell updates/sec

US-08-770-564A-13 20 Title: Perfect score:

1 CATTTTTTTTGTTTGGA 20 Sequence:

Scoring table:

OLIGO_NUC Gapop_60.0 , Gapext 60.0

7820798 segs, 3482471992 residues Searched:

0 Word size :

8653682 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 50

Post-processing: Listing first 45 summaries

Database :

Pending Patents_NA New:*

1: /cgn2_6/ptodata/1/pna/PCT_NEW_COMB.seq:*
2: /cgn2_6/ptodata/1/pna/USOG_NEW_COMB.seq:*
3: /cgn2_6/ptodata/1/pna/USOG_NEW_COMB.seq:*
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12: /cgn2_6/ptodata/1/pna/USOG_NEW_COMB.seq3:*
13: /cgn2_6/ptodata/1/pna/USOG_NEW_COMB.seq3:*
13: /cgn2_6/ptodata/1/pna/USOG_NEW_COMB.seq3:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| | | | | | | | | | | • | | | | | | | | | | | |
|---|--------------------------|-------------------|--------------------|-------------------|----------------------|---------------------|----------------------|----------------------|--------------------|---------------------|----------------------|----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|---------------------|----------------------|---------------------|---------------------|
| | Description | Sequence 15, Appl | Sequence 279, App | Sequence 5, Appli | Sequence 635066, | Sequence 64233, A | Sequence 525499, | Sequence 982397, | Sequence 3317, Ap | Sequence 14566, A | Sequence 226117, | Sequence 949348, | Sequence 76032, A | Sequence 523567, | Sequence 774039, | Sequence 281208, | Sequence 392577, | Sequence 95571, A | Sequence 142606, | Sequence 51234, A | Sequence 84760, A |
| | ID | PCT-US03-04088-15 | PCT-US03-04088-279 | US-09-690-885-5 | US-10-355-577-635066 | US-10-310-188-64233 | US-60-427-808-525499 | US-60-427-808-982397 | US-10-310-188-3317 | US-10-355-577-14566 | US-10-355-577-226117 | US-10-355-577-949348 | US-60-427-808-76032 | US-60-427-808-523567 | US-60-427-808-774039 | US-60-427-836-281208 | US-60-427-836-392577 | US-60-469-545-95571 | US-60-469-545-142606 | US-10-310-188-51234 | US-10-310-188-84760 |
| | DB | <u>;</u> | - | 9 | 0 | 0 | 12 | 12 | δ | 6 | σ | σ | 12 | 12 | 12 | 12 | 12 | 13 | 13 | σ | σ |
| | Query Match Length DB | 19 | 19 | 28 | 25 | 18 | 25 | 25 | 22 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 18 | 18 |
| æ | Query Match | 90.0 | 90.0 | 90.0 | 75.0 | 70.0 | 70.0 | 70.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 0.09 | 0.09 |
| | Score | 18 | 18 | 18 | 15 | 14 | 14 | 14 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 | 12 |
| | ult No. | | 7 | m | 4 | ß | 9 | 7 | œ | σ | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 11 | 18 | 19 | 20 |
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| | | | | | | | | | | | | | | | | | | | | | |

| Sequence 71730, A | Sequence 373, App | Sequence 226115, | Sequence 231716, | Sequence 300369, | Sequence 486926, | Sequence 578563, | Sequence 583938, | Sequence 710151, | Sequence 923328, | Sequence 949347, | Sequence 970825, | Sequence 970826, | Seguence 101304, | Sequence 101305, | Sequence 101306, | Sequence 101307, | Sequence 101311, | Sequence 101312, | Sequence 101313, | Sequence 101314, | Seguence 47418, A | Seguence 83312, A | Sequence 137138, | Sequence 148620, |
|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------|---------------------|----------------------|----------------------|
| US-10-310-188-71730 | PCT-US02-10873A-373 | US-10-355-577-226115 | US-10-355-577-231716 | US-10-355-577-300369 | US-10-355-577-486926 | US-10-355-577-578563 | US-10-355-577-583938 | US-10-355-577-710151 | US-10-355-577-923328 | US-10-355-577-949347 | US-10-355-577-970825 | US-10-355-577-970826 | US-60-417-190-101304 | US-60-417-190-101305 | US-60-417-190-101306 | US-60-417-190-101307 | US-60-417-190-101311 | US-60-417-190-101312 | US-60-417-190-101313 | US-60-417-190-101314 | US-60-427-808-47418 | US-60-427-808-83312 | US-60-427-808-137138 | US-60-427-808-148620 |
| 0 | - | σ | σ | σ | o | Φ | σ | σ | 0 | 0 | 6 | σ | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 19 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 22 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 60.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 60.0 | 0.09 | 0.09 | 60.0 | 60.0 | 60.0 | 60.0 | 0.09 | 60.0 | 60.0 | 60.09 | 0.09 | 60.0 | 0.09 | 60.09 | 60.09 | 60.09 | 0.09 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | . 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 17 |
| 21 | c 22 | c 23 | 24 | c 25 | c 26 | c 27 | 28 | 29 | 30 | c 31 | 32 | 33 | c 34 | c 35 | c 36 | c 37 | c 38 | c 39 | c 40 | c 41 | 42 | 43 | 44 | 45 |
| | | | | | | | | | | | | | | | | | | | | | | , | | |

ALIGNMENTS

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FEATURE: OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense PCT-USO3-04080-15
Sequence 1970/CATTORNATION:
Sequence 1970/CATTORNATION:
GENERAL INFORMATION:
APPLICANT: Ribozyme Parmaceuticals, Inc.
APPLICANT: Biologyme Parmaceuticals, Inc.
APPLICANT: Beigelman, Leonid
TITILE OF INVENTION: RAN Interference Mediated Inhibition of Telomerase Gene
TITILE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REPERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: US 60/396,600
FRIOR APPLICATION NUMBER: US 60/396,600
FRIOR APPLICATION NUMBER: US 60/386,580
FRIOR FILING DATE: 2002-02-10
FRIOR PRIOR PAPLICATION NUMBER: US 60/386,782
FRIOR FILING DATE: 2002-03-11
FRIOR FILING DATE: 2002-03-04
FRIOR FILING DATE: 2002-06-06
FRIOR APPLICATION NUMBER: US 60/406,784
FRIOR FILING DATE: 2002-09-05
FRIOR PAPLICATION NUMBER: US 60/406,784
FRIOR FILING DATE: 2002-09-05
FRIOR APPLICATION NUMBER: US 60/409,293
FRIOR FILING DATE: 2002-09-05
FRIOR FILING DATE: 2002-09-05
FRIOR FILING DATE: 2002-09-05
FRIOR FILING DATE: 2003-01-15
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ORGANISM: Artificial
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ô Gaps ö Query Match 90.0%; Score 18; DB 1; Length 19; Best Local Similarity 100.0%; Pred. No. 30; Matches 18; Conservative 0; Mismatches 0; Indels

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3 TTTTTGTTTGCTCTAGA 20
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Best Local Similarity 100.0%
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US-10-355-577-635066
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US-10-310-188-64233
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                                                                                                                                                                                      Sequence 279, Application PC/TUS0304088
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
CURRENT APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2003-04-28
PRIOR FILING DATE: 2002-07-17
PRIOR PAPLICATION NUMBER: US 60/386,782
PRIOR PELING DATE: 2002-03-05
PRIOR FILING DATE: 2002-06-05
PRIOR PILING DATE: 2002-06-05
PRIOR PELING DATE: 2002-09-05
PRIOR PELING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SEQ ID NO 279
PRIOR PELING DATE: 2003-01-15
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Sequence 5, Application US/09690885

GENERAL INFORMATION:

MUNCHALL SACAMA, HIROAKI

CORINA, ATSUSHI

MUNCHAL ATSUSHI

MUNCHER OF SEQUENCES:

CORRESPONDENCE ADDRESS:

ADDRESSEE BIRCH, STEWART, KOLASCH & BIRCH, LLP

STERET: PO BOX 747

STATE: VA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 90.0%; Score 18; DB 1; Length 19; Best Local Similarity 38.9%; Pred. No. 30; Matches 7; Conservative 11; Mismatches 0; Indels
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ZIP: 22040-0747
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3 TTTTTTGTTTGCTCTAGA 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: RNA ORGANISM: Artificial FEATURE:
                                                                                                                                                                            PCT-US03-04088-279
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-690-885-5/c
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APPLICANT: ROSECTAGEMONICS
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GEN-
TITLE OF INVENTION: USES THEREOF
FILE REFERENCE: 47487
CURRENT APPLICATION NUMBER: US/10/310,188
CURRENT APPLICATION NUMBER: 2002-12-19
WUMBER OF SEQ ID NOS: 66841
SOFTWARE: Patentin version 3.1
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GENERAL INFORMATION:
TITLE OF INVENTATION: Methods of Genetic Analysis of Probes: HG-U133
FILE REPERENCE: 312.1
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SEQ ID NO 635066
LENGTH: 25
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PETENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                CUCKERNI APPLICATION DATA:

CUCKERNI APPLICATION DATA:

PILING DATE: 18-0ct-2000

CLASSIFICATION: (Unknown)

ATTORNEY/AGENT INFORMATION:

NAME: WEINER: 32, 181

REFERENCE/DOCKET NUMBER: 1422-0319P

TELEPHONE: 703-205-8050

INFORMATION: FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 28 base pairs

TEXER TO ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 28 base pairs

TEXER TO ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 28 base pairs

TYPE: nucleic acid

STRANDEDNES: aingle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 90.0%; Score 18; DB 6; Best Local Similarity 100.0%; Pred. No. 29; Matches 18; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPULOGY: linear

MOLECULE TYPE: other nucleic acid

DESCRIPTION: /desc = "synthet."

SEQUENCE DESCRIPTION: SEQ ID NO: 5.
US-09-690-885-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 14566, Application US/10355577
GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INFORMINENT S121
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 14566
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Mittnann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 25;
                                                                                                                                                                                                              Length 22;
                                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                                                                              Score 13; DB 9; Le
Pred. No. 7.3e+03;
0; Mismatches 0;
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Pred. No. 7:2e+03;
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CURRENT APPLICATION NUMBER: US/10/310,188
CURRENT FILING DATE: 2002-12-19
NUMBER OF SEQ ID NOS: 86841
SEQ TWARE: Patentin version 3.1
SEQ ID NO 3317
LENGTH: 22
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; Sequence 226117, Application US/10355577
; GENERAL INFORMATION:
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100.0%; Pre
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Best Local Similarity 100.0%; Powatches 13; Conservative 0;
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Best Local Similarity 100...
Local 3j Conservative
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                                                                                                                                                 ; ORGANISM: Homo sapiens
US-10-310-188-3317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
CORGANISM: Homo sapien
US-10-355-577-226117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TYPE: DNA
; ORGANISM: Homo sapien
US-10-355-577-14566
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Best Local Similarity
Matches 13; Conserv
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; GENERAL INFORMATION:
; APPLICANT: ROSettedemonics
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENE
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: 47487
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 982397, Application US/60427808
GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528
CURRENT PELLING NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 982397
LENGTH: 25
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                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3228
CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 929194
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
                                                                                        Length 18;
                                                                                                                               0; Indels
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70.0%; Score 14; DB 12; I
Best Local Similarity 100.0%; Pred. No. 2.4e+03;
Matches 14; Conservative 0; Mismatches 0;
                                                                                 Query Match 70.0%; Score 14; DB 9; L
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 14; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                             Sequence 525499, Application US/60427808
GENERAL INFORMATION:
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-310-188-64233
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; ORGANISM: Mus musculus
US-60-427-808-525499
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; ORGANISM: Mus musculus US-60-427-808-982397
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LENGTH: 25
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US-60-427-836-281208
US-60-427-836-281208
Sequence 281208, Application US/60427836
GENERAL INFORMATION:
PAPLICARTY Expension of Genetic Analysis of Rat
TITLE OF INVENTION: Whethods of Genetic Analysis of Rat
FILE REFERENCE: 3527
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARENT MICROARIAY Probe Sequence Listing Generator V 1.1
SEQ ID NO 281208
                                                                                                                                           APPLICANT: You mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REPERENCE: 3528
CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
NUMBER: OF SEQ ID NOS: 982914
SEQ ID NO 714039
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                   Score 13; DB 12;
Pred. No. 7.2e+03;
                                                                                 US-60-427-808-774039; Sequence 774039; Application US/60427808; GENERAL INFORMATION:
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Job time: 878.928 secs
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100.0%; Pre
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100.0%; Pr
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; ORGANISM: Rattus norvegicus
US-60-427-836-281208
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Best Local Similarity 100.
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Best Local Similarity 100.
Matches 13; Conservative
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    3 TTGTTTGCTCTAG 15
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CORGANISM: Mus musculus
US-60-427-808-774039
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                        APPLICANT: Mitchan, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SEQ ID NO 949348
LENGTH: 25
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GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REPERENCE: 3528
CURRENT PAPLICATION UNMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFFWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 76032
LENGTH: 25
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GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528
CURRENT PELLOTION NUMBER: US/60/427,808
CURRENT FILNG DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 523567
LENGTH: 25
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Best Local Similarity 100.0%; Pred. No. 7.2e+03;
Matches 13; Conservative 0; Mismatches 0;
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Pred. No. 7.2e+03;
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Sequence 949348, Application US/10355577 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TYPE: DNA
; ORGANISM: Mus musculus
US-60-427-808-76032
                                                                                                                                                                                                                                      ; TYPE: DNA
; ORGANISM: Homo sapien
US-10-355-577-949348
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US-60-427-808-523567
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Length 25; Indels

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June 23, 2003, 05:20:00 ; Search time 1677.45 Seconds (without alignments) 299.770 Million cell updates/sec
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5.1.6
Compugen Ltd
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GenCore version
Copyright (c) 1993 - 2003
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                               nucleic search, using sw model
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20
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Perfect score:
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/ cgn.2 6/ptodata/2/pna/US6004_COMB. Set

/ cgn.2 6/ptodata/2/pna/US6006_COMB. Set

/ cgn.2 6/ptodata/2/pna/US6009_COMB. Set

/ cgn.2 6/ptodata/2/pna/US6010_COMB. Set

/ cgn.2 6/ptodata/2/pna/US6011_COMB. Set

/ cgn.2 6/ptodata/2/pna/US6011_COMB. Set

/ cgn.2 6/ptodata/2/pna/US6011_COMB. Set

/ cgn.2 6/ptodata/2/pna/US6013_COMB. Set

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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|--------|-----|-------|-------|-----------|------|----------------------|-------------------|
| | | | * | | | | |
| Result | ult | | Query | | | | • |
| | No. | Score | Match | Length DB | BD . | ΠD | Description |
| } | - | 20 | 100.0 | 20 | - | PCT-US97-23619-13 | Sequence 13, Appl |
| | ~ | 20 | 100.0 | 20 | 11 | US-08-770-564A-13 | Sequence 13, Appl |
| υ | ٣ | 20 | 100.0 | 30 | 0 | US-08-521-634-10 | Sequence 10, Appl |
| | 4 | 19 | 95.0 | 20 | 21 | US-09-540-119B-16 | Sequence 16, Appl |
| | ιù | 17 | 85.0 | 24 | 22 | US-09-587-662A-5 | Sequence 5, Appli |
| | 9 | 16 | 80.0 | 22 | 13 | US-08-973-589-18 | Sequence 18, Appl |
| U | 7 | 16 | 80.0 | 25 | 36 | US-09-954-427-58350 | Sequence 58350, A |
| U | œ | 16 | 80.0 | 25 | 67 | US-60-233-166-58350 | Sequence 58350, A |
| υ | σ | 15 | 75.0 | 25 | 36 | US-09-954-427-58351 | Sequence 58351, A |
| υ | 10 | 15 | 75.0 | 25 | 67 | US-60-233-166-58351 | Sequence 58351, A |
| | 11 | 15 | 75.0 | 25 | 79 | US-60-353-987-635066 | Sequence 635066, |
| Ü | 12 | 14 | 70.0 | 25 | 36 | US-09-954-427-58352 | Sequence 58352, A |
| υ | 13 | 14 | 70.0 | 25 | 67 | US-60-233-166-58352 | Sequence 58352, A |
| | 14 | 14 | 70.0 | 41 | 36 | US-09-953-198-241 | Sequence 241, App |
| | 15 | 13 | 65.0 | 13 | 21 | US-09-540-119B-19 | Sequence 19, Appl |
| | 16 | 13 | 65.0 | 13 | 21 | US-09-540-119B-20 | Sequence 20, Appl |
| | 17 | 13 | 65.0 | 25 | 36 | US-09-954-427-379210 | Sequence 379210, |
| υ | 18 | 13 | 65.0 | | 36 | US-09-954-427-408651 | Sequence 408651, |
| υ | 19 | 13 | 65.0 | 25 | 36 | US-09-954-427-408670 | Sequence 408670, |
| | 20 | 13 | 65.0 | 25 | 67 | US-60-233-166-379210 | Sequence 379210, |
| υ | 21 | 13 | 65.0 | 25 | 67 | US-60-233-166-408651 | Sequence 408651, |

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Sequence 226117, Sequence 885, Applesquence 17, Appl Sequence 117, Appl Sequence 1171, Applesquence 1171, Applesquence 1172, Applesquence 1173, Applesquence 1175, Applesquence 5, Appli Sequence 5, Appli Sequence 67372, Applesquence 67372, Applesquence 67372, Applesquence 67372, Applesquence 67372, Appli Sequence 67372, Applesquence 58499, Applesquence 317896,
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APPLICANTON DATA:
APPLICATION NUMBER:
                                   US-60-353-987-949348

US-09-953-198-185

US-09-518-2084-8256

US-60-337-959-1171

US-60-337-959-1171

US-60-337-959-1172

US-60-337-959-1173

US-60-337-959-1173

US-60-337-959-1174

US-60-337-959-1174

US-60-337-959-1175

US-60-317-959-1175

US-60-317-959-1175

US-60-317-958-1175

US-09-396-196F-67371

US-09-396-196F-67371

US-09-396-196F-67371

US-09-396-196F-67371

US-09-396-196F-67372
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PCT-US97-23619-13
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TENSTH: 20 here pairs
TYPE: Muclaic acid
TYPE: Muclaic acid
TYPE: Muclaic acid
TYPE: Muclaic acid
TYPE: May Muclaic acid
TYPE: May May May May Muchae
TENTING: Muclaic acid
TYPE: May May May May Muchae
TENTING: Muclaic acid
TYPE: Muclaic acid
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US-09-587-662A-5

Sequence 5, Application US/09587662A

GENERAL INFORMATION:

APPLICANT: AU, Jessie L.-S.

APPLICANT: Wientjes, M. Guillaume
APPLICANT: Wientjes, M. Guillaume
TITLE OF INVENTION: THROUGH TELOMERE DAMAGE
FILE REFERENCE: JAG-004

CURRENT APPLICATION NUMBER: US/09/587,662A

CURRENT APPLICATION NUMBER: 60/137,549

PRIOR APPLICATION NUMBER: 60/137,549

PRIOR FILING DATE: 1999-06-04

NUMBER OF SEQ ID NOS: 11

SOFTWARE: PATENTIN OF: 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: Description of Artificial Sequence: primer/probe US-09-587-662A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 18, Application US/08973589
GENERAL INFORMATION:
APPLICANT: Greider, Carol
APPLICANT: Attexier, Carol
APPLICANT: Pruzan, Ronald
TITLE OF INVENTION: ESSENTIAL OLIGONUCLEOTIDES OF VERTEBRATE
TITLE OF INVENTION: ESSENTIAL OLIGONUCLEOTIDES OF VERTEBRATE
TITLE OF INVENTION: TELOMERASE
TITLE OF INVENTION: 19109-02
GURRENT APPLICATION NUMBER: US/08/973,589
CURRENT PILING DATE: 1999-08-20
PRIOR FILING DATE: 1999-08-06
PRIOR FILING DATE: 1996-08-06
PRIOR APPLICATION NUMBER: US 08/478,352
PRIOR FILING DATE: 1999-06-06
                                                                                                                                                                                                                                         95.0%; Score 19; DB 21; Length 20; 100.0%; Pred. No. 14; 0; Indels ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      85.0%; Score 17; DB 22; Length 24; 100.0%; Pred. No. 1.4e+02; Live 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. ...
Marches 17; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQ ID NOS: 20
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 18
LENGTH: 22
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   SOFTWARE: Patentin version 3.1
SEQ ID NO 16
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                    TYPE: DNA
ORGANISM: Homo sapiens
US-09-540-119B-16
                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 19; Conserv
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LENGTH: 24
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APPLICANT: Frizan, Ronald
APPLICANT: Prizan, Ronald
APPLICANT: Weinrich, Scott
TITLE OF INVENTON: Telomerase Inhibitor Polymucleotides
FILE REFERENCE: 029/001
CURRENT APPLICATION NUMBER: US/09/540,119B
CURRENT FILING DATE: 2000-03-31
NUMBER OF SEQ ID NOS: 25
                                                                                                                                                                                                                                                                                                         E: Townsend and Townsend and Crew
One Market Plaza, Steuart Tower, Suite 2000
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APPLICATION NUMBER:
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APPLICATION NUMBER:
US 08/482,115
FILING DATE:
APPLICATION DATA:
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                                                                                                APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Andrews, William
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    15389-000850
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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US-09-540-119B-16
'Sequence 16, Application US/09540119B
'GENERAL INFORMATION:
Sequence 10, Application US/08521634 GENERAL INFORMATION:
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                                                                           . Villeponteau, Bryant
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TRELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                             CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY: USA
                                                                                                                                                                                                                                                                                                             ADDRESSEE:
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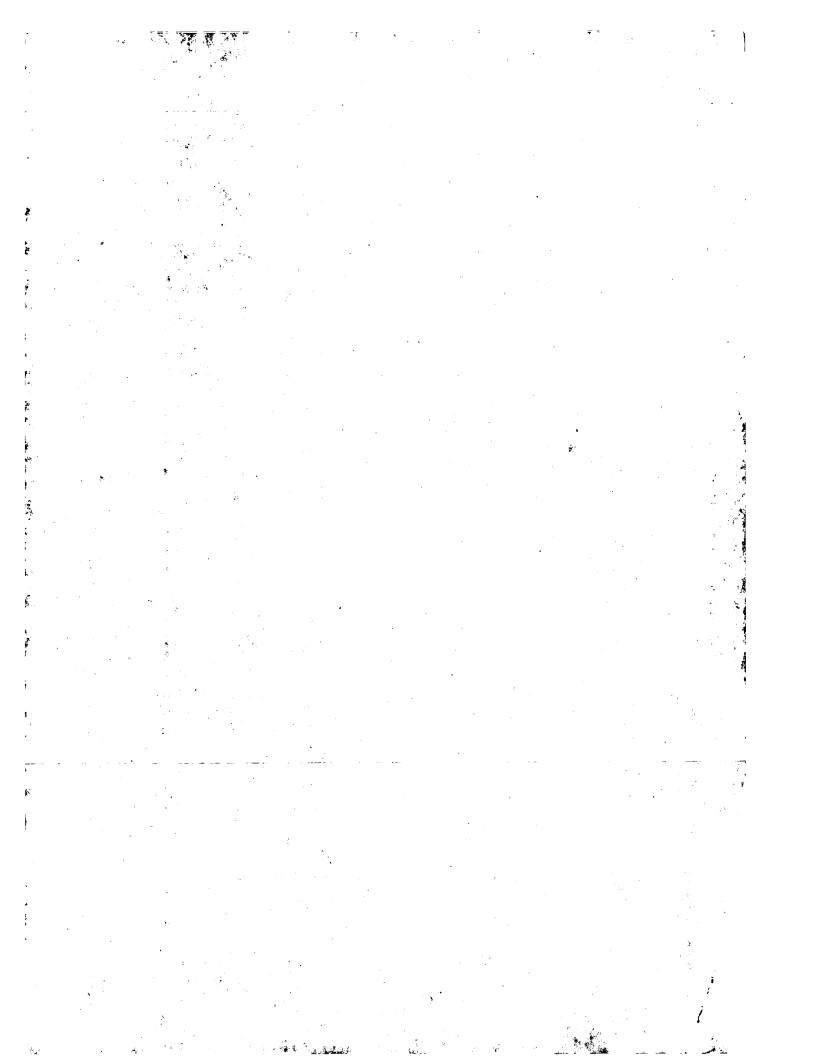
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US-60-233-166-58350/c
US-60-233-166-58350, Application US/60233166
GENERAL INFORMATION:
APPLICANT: Mittenann
APPLICANT: Affiveritx, Inc.
TITLE OF INVENTION: Genome
FILE REFERENCE: 3112
CURRENT APPLICATION NUMBER: US/60/233,166
CURRENT FILING DATE: 2000-10-24
NUMBER OF SEQ ID NOS: 420907
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 59350
                                                                                                                                                                                                             US-00-954-427-58350/C
US-00-954-427-58350, Application US/09954427
Sequence 53850, Application US/09954427
GENERAL INFORMATION:
APPLICANT: Mittmann
PAPLICANT: Mittmann
TITLE OF INVENTION: Methods of Genetic Analysis of the Rat
TITLE OF INVENTION: Menome
FILE REFERENCE: 3112
CURRENT APPLICATION NUMBER: US/09/954,427
CURRENT FILING DATE: 2001-09-17
NUMBER OF SEQ ID NOS: 420907
SOFTWARE: FESTSEQ for Windows Version 4.0
SEC ID NO 58350
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 80.0%; Score 16; DB 36; Length 25; Best Local Similarity 100.0%; Pred. No. 4.3e+02; Matches 16; Conservative 0; Mismatches 0; Indels
                    Length 22;
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Score 16; DB 13; L
Pred. No. 4.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ) ORGANISM: Rattus norvegicus
; PUBLICATION INFORMATION:
; CACESSION NUMBER: GenBank AA819129
18-09-954-427-58350
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TYPE: DNA
; ORGANISM: Rattus norvegicus
; PUBLICATION INFORMATION:
DATABASE ACESSION NUMBER: GenBank AA819129
US-60-233-166-58350
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US-09-954-427-58351/c
'Neequence 58351, Application US/09954427
                    Query Match
Best Local Similarity 100.0%; P
Matches 16; Conservative 0;
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195-60-353-397-635066
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; Sequence 58351, Application US/60233166
; GENERAL INFORMATION:
; APPLICANT: Mittmann
; APPLICANT: Mittmann
; APPLICANT: Mittmann
; TITLE OF INVENTION: Methods of Genetic Analysis of the Rat
; TITLE OF INVENTION: Genome
; TITLE REPRENCE: 331.166
; CURRENT FILING DATE: 2000-10-24
; NUMBER OF SEQ ID NOS: 420907
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 58351
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
75.0%; Score 15; DB 36; Length 25;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 15; Conservative 0; Mismatches 0; Indels
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GENERAL INFORMATION:
APPLICANT: Mittmann
APPLICANT: Mittmann
APPLICANT: Mittmann
TITLE OF INVENTION: Methods of Genetic Analysis of the Rat
TITLE OF INVENTION: Genome
FITLE OF INVENTION: Genome
FILE REFERENCE: 3112
CURRENT PPLICATION NUMBER: US/09/954,427
CURRENT FILING DATE: 2001-09-17
NUMBER OF SEQ ID NOS: 420907
SEQ ID NOS 9351
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Rattus norvegicus
; PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank AA819129
US-09-954-427-58351
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CRGNNISM: Rattus norvegicus
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: GenBank AA819129
US-60-233-166-58351
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CORGANISM: Homo sapien
US-60-353-987-635066
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US-09-540-119B-19
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GENERAL INFORMATION:
APPLICANT: Mittmann
APPLICANT: Affiverrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of the Rat
TITLE OF INVENTION: Genome
FILE REFERENCE: 3112
CURRENT APPLICATION NUMBER: US/09/954,427
CURRENT PILING DATE: 2001-09-17
NUMBER OF SEQ ID NOS: 420907
SOFTWARE: FeatSEQ for Windows Version 4.0
SEQ ID NO 58352
LENGTH: 25
        Length 25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 70.0%; Score 14; DB 36; Length 25; Best Local Similarity 100.0%; Pred. No. 4.3e+03; Matches 14; Conservative 0; Mismatches 0; Indels
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APPLICANT: Mittmenn US/60233166
GENERAL INFORMATION:
APPLICANT: Mittmenn
APPLICANT: Affaymetrix, Inc.
TITLE OF INVENTION: Genome
TITLE OF INVENTION: Genome
FILE REPERENCE: 3112
CURRENT APPLICATION NUMBER: US/60/233,166
CURRENT FILING DATE: 2000-10-24
NUMBER OF SEQ ID NOS: 420907
SOFTWARE: FREESE FREESE
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Query Match 75.0%; Score 15; DB Best Local Similarity 100.0%; Pred. No. 1.4 Matches 15; Conservative 0; Mismatches
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US-09-954-427-58352
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PUBLICATION INFORMATION:
US-60-233-166-58352
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Best Local Similarity 100.0
Matches 14; Conservative
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US-09-954-427-58352/c
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LENGTH: 25
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US-09-953-198-241
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APPLICANT: ONNURINGEN LTD
APPLICATION WARREN BASE OF SNP
FILLE BEREEBENE: 131,233
FILLS BEREEBENE: 131,232
FILLS BEREEBENE: 131,232
CURRENT PELLICATION WARREN: U8/09/953,198
SOFTWARRE: Patentin version 3.1
SOFTWARRE: Patentin version 3.1
SOFTWARRE: Patentin version 3.1
SESULT 15
Db 2 ATTITITION SOFTWARREN: U8/09/540,1198
CURRENT STAIN ROBARITON: Sort APPLICANT: Repair (No. 43-04)
SOFTWARRENT: Medinich, Sort APPLICANT: Medinich, Sort APPLICANT: Medinich, Sort APPLICANT: Medinich, Sort APPLICANT: Weinich, Sort APPLICANT: Weinich, Sort APPLICANT: Weinich, Sort APPLICANT: Weinich, Sort APPLICANT: Plant Robard (No. 3-1)
CURRENT APPLICANT: Weinich, Sort APPLICANT: Plant No. 3-1
SOFTWARR: Patentin version 3.1
SOFTWARR: Home sapiens
(SOFTWARR: Home
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Title: Perfect score:

Run on:

Sequence:

Scoring table:

Word size :

Searched:

Database :

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Sequence 424, App
Sequence 2, Appli
Sequence 30, Appli
Sequence 12, Appli
Sequence 196, Appl
Sequence 196, Appl
Sequence 224, Appl
Sequence 224, Appl
Sequence 557, Appl
Sequence 557, Appl
Sequence 984, Appl
Sequence 22, Appl
Sequence 22, Appl
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Sequence 41,
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Harley, Calvin
Andrews, William H.
TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT:
THERAPEUTIC METHODS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, 8th Floor CITY: San Prancisco STATE: California
             US-09-232-785-359

US-09-232-785-359

US-09-975-408-41

US-09-815-533-2

US-09-815-533-2

US-09-165-272-370

US-09-165-272-370

US-09-165-272-370

US-09-165-272-370

US-09-165-272-370

US-09-165-272-370

US-09-165-272-370

US-09-165-272-370

US-09-165-272-4

US-09-171-843-272

US-09-171-843-272

US-10-112-653-55

US-10-112-653-55

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US-10-112-653-767

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FILING DATE: -UNKNOWN:
APPLICATION NUMBER: 08/912,951
FILING DATE: -UNEARY-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
COMPATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Ver
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/044,692
FILING DATE: 11-0an-2002
CLASSIFICATION: <UNKNOWN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: United States of America
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 312, Application US/10044692
Publication No. US20030096344A1
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
NUMBER OF SEQUENCES: 335
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COMPUTER READABLE FORM:
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Sequence 248, Appl
Sequence 285, Appl
Sequence 103, Appl
Sequence 253, Appl
Sequence 253, Appl
Sequence 375, Appl
Sequence 116, Appl
Sequence 375, Appl
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Sequence 2806, Ap
Sequence 72610, A
Sequence 92356, A
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Sequence 133, App
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Sequence 312, App
Sequence 23, Appl
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Sequence 15, Appl
Sequence 13, Appl
                                                                                                                                     June 23, 2003, 06:41:29; Search time 160.717 Seconds (without alignments) 182.610 Million cell updates/sec
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          GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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US-10-085-906-285

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US-09-108-054-135

US-09-108-058-135

US-09-997-868-13

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US-10-098-263B-118744
US-09-426-548-133
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                                                                                              OM nucleic - nucleic search, using sw model
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Gapop_60.0 , Gapext 60.0
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Match Length DB
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 23, Application US/09057351

Batent No. US2010034439A1

GENERAL INFORMATION:

APPLICANT: Villeponteau, Bryant

APPLICANT: Funk, Walter

APPLICANT: Funk, Walter

APPLICANT: Funk, Walter

APPLICANT: Andrews, William H.

TITLE OF INVENTION: Mammalian Telomerase

NUMBER OF SEQUENCES: 42

CORRESPONDENCES: 42

CORRESPONDENCES: 53

CORRESPONDENCES: 42

CORRESPONDENCES: 42

CORRESPONDENCES: 43

COUNTRY: USA

ZIP: 94111-383 4

COUNTRY: USA

ZIP: 94111-383 4

COMPUTER READRE FORM:

MEDIUM TYPE: Floopy disk

COMPUTER READRE FORM:

MEDIUM TYPE: Floopy disk

COMPUTER: IBM FC compatible

OURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/057,351

FILING DATE: 08-APR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/330,123

FILING DATE: 07-JUL-1994

PRIOR APPLICATION NUMBER: US 08/330,123

FILING DATE: 07-JUL-1994

PRIOR APPLICATION NUMBER: US 08/330,123

FILING DATE: 07-JUL-1994

PRIOR APPLICATION NUMBER: US 08/330,123

ATTORNEY/AGENT INFORMATION:

NAME: Storella, John R.

REFERENCE/DOCKET NUMBER: 015300
                                                                                                                                                                                                                            TYPE: nucleic acid
FRRANDENES: single
TOPOLGGY: linear
MOLECULE TYPE: DAN
FROM DESCRIPTION: SEQ ID NO: 312: US-10-044-539-312
                                                    REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
                                                                                                                           TELEFAX: (415) 576
INFORMATION FOR SEQ ID NO: 3
SEQUENCE CHARACTERISTIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9 GTTTGCTCTAGA 20
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US-09-057-351-23
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TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT: DIAGNOSTIC AND THERAPEUTIC METHODS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 335

CORRESPONDENCE ADDRESS:
ADDRESSE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, 8th Floor GITY: San Francisco Enter, 8th Floor STATE: California
COUNTRY: United States of America
ZIP: 9411.
COMPUTER: UNITED STOPPY disk
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC LOSS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION UDMER: US/10/044,539
FILING DATE: 11-Jan-2002
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 26;
                       FILING DATE: 01-0CT-1996
ATTORNEY AGENT INPORMATION:
NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REPERRENCEY DOCKER: 015389-002600US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
INFORMATION FOR SEQ 1D NO: 312:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 60.0%; Score 12; DB 9; L. Best Local Similarity 100.0%; Pred. No. 2.3e+03; Matches 12; Conservative 0; Mismatches 0;
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APPLICATION NUMBER: 08/912,951

PLING DATE: «Unknown»

APPLICATION NUMBER: US 08/054,050

FILING DATE: 09-MAY-1997

APPLICATION NUMBER: US 08/851,843

PILING DATE: 06-MAY-1997

APPLICATION NUMBER: US 08/46,017

APPLICATION NUMBER: US 08/44,419

FILING DATE: 15-APR-1997
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: DAMES 12: MOLECULE DESCRIPTION: SEQ ID NO: 312: US-10-044-692-312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          i-10-044-539-312
Sequence 312, Application US/10044539
Publication No. US20030100093A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Cech, Thomas R.
Lingner, Joschim
Nakamura, Toru
Chapman, Karen B.
Morin, Garegg B.
Harley, Calyin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 01-OCT-1:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                    LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9 GTTTGCTCTAGA 20
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COSTIMULATORY RECEPTOR LOCUS AND USES THEREOF
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Patent No. US20010049125A1
GENERAL INFORMATION:
APPLICANT: STEMER PH.D., WILLEM P.C.
APPLICANT: LIPSHUTZ, ROBERT J.
TITLE OF INVENTION: END-COMPLEMENTARY POLYMERASE REACTION
NUMBER OF EQUENCES: 136
CORRESPONDENCE ADDRESS:
ADDRESSEE: TWO EMBARCADERO CENTER, 8TH FLOOR
                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURENT APPLICATION DATA:
APPLICATION NUMBER: US/09/245,802
TITLE OF INVENTION: POLYMORPHIC ELEMENTS IN THE TITLE OF INVENTION: COSTIMULATORY RECEPTOR LOCUS INTILE REFERENCE: GAN-S343CP2
CURRENT APPLICATION NUMBER: US 60/126,215
PRIOR PILING DATE: 2002-02-7
PRIOR PLING DATE: 1999-03-25
PRIOR PLING DATE: 2000-03-24
PRIOR FILING DATE: 2000-03-24
                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 12; DB 9; L4
Pred. No. 2.4e+03;
0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: 16528J-015410US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/05480
FILING DATE: 18-APR-1996
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/675,502
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
NAME: MURPHY, ESQ., MATTHEW B.
REGISTRATION NUMBER: 39,787
                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.08; Pr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: U.S.A.
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DK
SOFTWARE: PatentIn Release #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                               60.08;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
LENGTH: 40 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12; Conservative
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CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                       ; ORGANISM: Homo sapiens
US-10-085-906-285
                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 12; Conserv
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STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                      SEQ ID NO 285
LENGTH: 38
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STATE:
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                                                                                                                                                                                                                                                                                                                                               Sequence 248, Application US/09765272
Patent No. US202061545A1
GENERAL INFORMATION:
TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines
NUMBER OF SEQUENCES: 452
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
                                                                                                                                             ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ZIP: 20850

COMPUTER READABLE FORM:

WEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCIT Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/765,272

FILING DATE: 22-3an-2001

CLASSIFICATION: AUNHOWN->

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/961,083
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          60.0%; Score 12; DB 10; Length 35; 100.0%; Pred. No. 2.4e+03; Live 0; Mismatches 0; Indels
                                                                                                  Length 26;
                                                                                                                                             0; Indels
                                                                                           DB 10; Le
                                                                                             Query Match 60.0%; Score 12; DB Best Local Similarity 100.0%; Pred. No. 2.3 Matches 12; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY/AGENT INFORMATION:
NAME: Brookes, A. Anders
REGISTRATION NUMBER: 36,313
REFERENCE/DOCKET NUMBER: PB340P2
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 248:
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Publication No. US20030054371A1
GENERAL INFORMATION:
APPLICANT: Ying, Vincent
APPLICANT: Wu, Paul
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: (301) 309-8504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 248:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 35 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity 100.
Matches 12; Conservative
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APPLICANT: Gray, Gary S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: USA
  ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-09-057-351-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 5
US-10-085-906-285
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| Sequence 110, Application US/09245802
| Patent No. US20010049125A1
| GENERAL INPORMATION:
| APPLICANT: STEWMET PH.D., WILLEM P.C.
| APPLICANT: LIPSHUTZ, ROBERT J.
| TITLE OF INVENTION: END-COMPLEMENTARY POLYMERASE REACTION NUMBER OF SEQUENCES: 136
| CORRESPONDENCES: 136
| CORRESPONDENCE ADDRESS: APPRACIATION OF STREET: TWO EMBARCADERO CENTER, 8TH PLOOR CITY: SAN PRANCISCO STATE: CALIFORMA COUNTRY: U.S.A.
| CONTYRY: U.S.A. COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC Compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA: PLING DATE: CLASSIFICATION NUMBER: US/09/245,802 CLASSIFICATION NUMBER: US/09/245,802 PLING DATE: FLING DATE:
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                                                                                                                                       Length 40;
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                                                                                                                                                                                                                       0; Indels
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                                                                                                                             Score 12; DB 10;
Pred. No. 2.4e+03
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Best Local Similarity 100.0%; Pred. No. 2.40+03
Matches 12; Conservative 0; Mismatches 0
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/05480
FILING DATE: 18-APR-1996
CLASSIFICATION:
NAME: 18-APR-1996
MAME: MURPHY, ESQ., MATTHEW B.
REFERENCE/DOCKET NUMBER: 39-787
REFERENCE/DOCKET NUMBER: 39-787
RELECHNONE: (415) 326-2400
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION:
SEQUENCE CHARACTERISTICS:
LENGTH: 40 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
STRANDEDNESS: double
STRANDEDNESS: circular
US-09-245-802-110
                                                                                                                             Query Match 60.0%; Score 12; DB Best Local Similarity 100.0%; Pred. No. 2.4 Matches 12; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 8
US-09-765-272-253/c
'S = 409-765-272-253/c
'S = 405-409-653, Application US/09765272
'*Batent No. US20020061545A1
                                                                                                                                                                                                                                                                                                       3 TITITIGITIGC 14
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; TOPOLOGY: circular
US-09-245-802-103
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MUNERR OF SEQUENCES: 452

COMPARED OF SEQUENCES: 452

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Sequence 15., Application US/10109725A
Patent No. US20020177154A1
GENERAL INFORMATION
GENERAL INFORMATION
APPLICANT: Gonzalgo, Mark L.
APPLICANT: Jones, Peter A.
APPLICANT: Liang, Gangning
FILE OF INVENTION: CANCER DIAGNOSTIC METHOD BASED UPON DNA METHYLATION DIFFERENCES
FILE REPERENCE: 47675-21
CURRENT APPLICATION NUMBER: US/10/109,725A
CURRENT PILING DATE: 2002-03-28
PRIOR APPLICATION NUMBER: US 09/687,941
PRIOR FILING DATE: 2001-06-22
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PatentIn version 3.1
SEQ ID 0.15
LENGTH: 21
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Groskreutz, Debyra J.
TITLE OF INVENTION: Prohormone Convertase Transformed Cells and
Polypeptide Synthesis
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MEDULW TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winbatin (Genentech)
CURRINT APPLICATION DATA:
APPLICATION NUMBER: US/09/997,868
FILING DATE: 12-Mar-2002
CLASSIFICATION ATA:
APPLICATION NUMBER: 07/887265
FILING DATE: 22-Mar-1992
APPLICATION NUMBER: 07/803631
FILING DATE: 06-DEC-1992
APPLICATION NUMBER: PCT/US92/10621
FILING DATE: 04-DEC-1992
APPLICATION NUMBER: PCT/US92/10621
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   55.0%; Score 11; DB 9; Le 100.0%; Pred. No. 7.6e+03; iive 0; Mismatches 0;
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REFERENCE/DOCKET NUMBER: PO
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSE: Genentech, Inc.
STREET: I DNA Way
CITY: South San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 13, Application US/09997868 Publication No. US20030031654A1 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPĖ: DNA
ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Marches 11, Conservative
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US-09-918-026A-53/C
US-09-918-026A-53/C
Sequence 53, Application US/09918026A
Publication No. US20030096772A1
GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX
FILE REFERENCE: ISPH-0588
CURRENT PELLING DATE: 201-07-30
NUMBER OF SEQ ID NOS: 65
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| Reducation No. US20030087229A1 |
| GENERAL INFORMATION: US20030087229A1 |
| GENERAL INFORMATION: DAN FROBES, METHOD AND KIT FOR IDENTIFYING |
| TITLE OF INVENTION: DAN PROBES, METHOD AND KIT FOR IDENTIFYING |
| TITLE OF INVENTION: ANTIBIOTIC-RESISTANT STRAINS OF BACTERIA |
| FILE REFERENCE: 0126.7-011 |
| CURRENT APPLICATION NUMBER: US/09/403,609 |
| CURRENT FILING DATE: 2000-03-03 |
| PRIOR FILING DATE: 1998-04-22 |
| PRIOR APPLICATION NUMBER: DE 197 17 346.2 |
| PRIOR PELING DATE: 1997-04-24 |
| NUMBER OF SEQ ID NOS: 199 |
| NUMBER OF SEQ ID NOS: 190 |
| COFTWARE: PATENTIN VET: 2.00 |
| COFTWARE: PATENTIN VET: 2
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              Length 42;
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       DB 9; Le . 2.4e+03;
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   Query Match 60.0%; Score 12; DB Best Local Similarity 100.0%; Pred. No. 2.4 Matches 12; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
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Best Local Similarity 100.
Matches 11; Conservative
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Matches 11; Conserv
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LENGTH: 20
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LENGTH: 20
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                         Probes and Decoder Oligonucleotides
                                                                                                                                                                                                                                                                                                                                                                                                               ; FEATURE:
; OTHER INFORMATION: Computer Generated Probe Sequence.
9. 02-09-940-185-2806
                                            FILE EPERENCE: A-69605-1
CURRENT APPLICATION NUMBER: US/09/940,185
CURRENT PLILING DATE: 2001-08-27
PRICE RAPLICATION NUMBER: US 60/227,948
PRICE APPLICATION NUMBER: US 60/227,948
PRICE APPLICATION NUMBER: US 60/228,854
PRICE RILING DATE: 2000-08-29
PRICE PRICE PRICE TO NOTE 2000-08-29
NUMBER OF SEQ ID NOS: 4768
SOUTHARR: PALENTIN VETSION 3.1
SEQ ID NO 2806
LENGTH: 24
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                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Artificial Sequence
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US-00-263-959-969/C
Sequence 969, Application US/09263959
Fatent No. US20020150991A1
GENERAL INFORMATION:
APPLICANT: Hood, Leroy E.
APPLICANT: Koop, Ben F.
TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
NUMBER OF SEQUENCES: 1279
CORRESPONDENCE ADDRESS:
ADDRESSE: 86ed and Berry LLP
STATE: Washington
COUNTRY: Geattle
STATE: Washington
COUNTRY: US ABLOADED FORM:
MEDIUM TYPE: LBMP Compatible
OPERATING SYSTEM: PLOSPY disk
COMPUTER TRADABLE FORM:
MEDIUM TYPE: LBMP Compatible
OPERATION NUMBER: US/09/263,959
ILING DATE: 05-MAR-199
CLASSIFICATION:
NAME: NAMSTER: DAY 13,963
FEILNG DATE: 05-MAR-199
CLASSIFICATION:
NAME THORWATION:
NAME THORWATION:
TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                    Length 21;
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                                                                                        ; TOPOLOGY: Linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-09-997-868-13
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US-09-940-185-2806/c
Sequence 2806, Application US/09940185
Publication No. US20030096239A1
GENERAL INFORMATION:
                         LENGTH: 21 base pairs
TYPE: Nucleic Acid
STRANDEDNESS: Single
SEQUENCE CHARACTERISTICS:
LENGTH: 21 base pair
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US-09-263-959-969
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1 CATTTTTTTTGCTCTAGA 20
TOPOLOGY:
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26, Appl
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                                                                   June 23, 2003, 04:53:08; Search time 31.3147 Seconds (without alignments) 195.867 Million cell updates/sec
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(cgn2_6/ptodata/2/ina/5A_COMB.seq:*

(cgn2_6/ptodata/2/ina/5B_COMB.seq:*

(cgn2_6/ptodata/2/ina/6A_COMB.seq:*

(cgn2_6/ptodata/2/ina/6B_COMB.seq:*

(cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*

(cgn2_6/ptodata/2/ina/pcTuS_COMB.seq:*
         5.1.6
Compugen Ltd.
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S-08-485-778-19
S-08-472-802C-24
S-08-520-550A-19
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US-08-770-565-26
US-08-833-377-5
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         GenCore version (c) 1993 - 2003
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                                                 nucleic search, using sw model
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Gapop_60.0 , Gapext 60.0
                                                                                                            US-08-770-564A-13
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Match Length
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Perfect score:
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Sequence 1
Sequence 1
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APPLICANT: Wu, Fred
APPLICANT: Wu, Fred
APPLICANT: Kealey, James T.
APPLICANT: Fruzan, Realey, Soct L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
                                                                                                                                            Sequence
                                                                                                                                                                                  Sequence.
                                                                                                                                                              Sequence
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COUNTRY: USA
ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
HTLING ADTE: 20-DEC-1996
FTLING ADTE: 20-DEC-1996
FTLING ADTE: 20-DEC-1996
FTLING ADTE: 20-DEC-1996
US-09-094-207A-15
US-09-311-912-51
US-08-026-143B-13
PCT-US94-02233-13
US-08-529-190B-44
US-08-529-998-119
US-09-010-641-15
US-09-010-641-15
US-09-010-641-15
US-09-010-641-15
US-09-710-641-15
US-09-710-641-15
US-09-766-439-17
US-08-766-439-91
US-08-766-439-91
US-08-766-439-91
US-08-961-083-370
US-08-961-083-370
US-08-02-572-11
US-08-961-083-370
US-08-961-083-370
US-08-961-083-370
US-08-961-083-370
US-08-961-083-370
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         015389-002300US
                                                                                                                                                                                                                                                                                                                                                                                               ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; Sequence 13, Application US/08770565
; Patent No. 5846723
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INPOGRATION:
NAME: Storella, John R.
REGISTRATION UNDRER: 32,944
REFERENCE/DOCKET NUMBER: 0153E
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
TELEPAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.0
Matches 20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               nucleic aci
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; MOLECULE TYPE: DNA
US-08-770-565-13
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US-08-330-123A-23
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                                                                                                                                                                                                                                            GENERAL INFORMATION:

APPLICANT: AUTUSHI OHSHIMA
APPLICANT: AUTUSHI OHSHIMA
APPLICANT: MASAYORI INOUYE
TITLE OF INVENTION: OVER EXPRESSION OF SINGLE-STRANDED
TITLE OF INVENTION: MOLECULES
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: WEISER & ASSOCIATES, P.C.
STREET: 23 0 S. 15th ST.
CITY: PHIADELPHIA, PA
COUNTRY: U.S.A.
ZIP: 1910.
CONPUTER: Eloppy disk
COMPUTER: Eloppy disk
COMPUTER: Eloppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PEACHTIN Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/08/318,867A
FILING DATE: MAY 4, 1995
GILASSIFTCATION NUMBER: 377.6120P
TELECOMMUNICATION INFORMATION:
NAME: GERARD J. WEISER
REPRENCE/DOCKET NUMBER: 377.6120P
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 90.0%; Score 18; DB 1; Length 28; Best Local Similarity 100.0%; Pred. No. 1; Matches 18; Conservative 0; Mismatches 0; Indele
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
APPLICANT: SAGAMA, HIROAKI
APPLICANT: SAGAMA, HIROAKI
APPLICANT: SAGAMA, HIROAKI
APPLICANT: GENTRA, PASUGHI
APPLICANT: GENTRA, PASUGHI
APPLICANT: GENTRA, PASUGHI
APPLICANT: KATO, IKUNOSHIN
ITILE OF INVENTION: PLASMID
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH, LLP
STREET: PO BOX 747
CITY: FALLS CHURCH
STREET: PO GOX 747
CITY: FALLS CHURCH
STREET: USA
COUNTRY: USA
ZIP: 22040-0747
ZIP: 22040-0747
MEDIUM TYPE: Floppy disk
                                                                                                                                           US-08-318-867A-19/c
; Sequence 19, Application US/08318867A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Application US/08952089A
1 CATTITIGITIGETCTAGA 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: (215) 975-8394
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTER.EST.CS:
LENGTH: 28 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            , TOPOLOGY: linear
US-08-318-867A-19
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COMPUTER: IN The Compatible of Companies of Companies Percogness of Percogness of Companies Percogness of Percogne
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COMPUTER READABLE FORM:
MEDIUM TYPE: R109Py disk
MEDIUM TYPE: F109Py disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
SOFTWARE: Patentin Release #1.0, Version #1.30
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/60,678A
FILING DATE: 05-JUN-1996
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 07-JUL-1994
ATTORNEY AGENT INFORMATION:
NAME: SLOCFILA, JOHN R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
                                                                                                                                                                                                                                                                                                                  E: Townsend and Townsend and Crew LLP Two Embarcadero Center, Eighth Floor
                                                                                          GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Feng, Junii
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
                                                                           Sequence 23, Application US/08660678A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 60.0
Best Local Similarity 100.
Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                 CITY: San Francisco
CTY: San Francisco
CTATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9 GTTTGCTCTAGA 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-660-678A-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE:
                                                                                                                                                                                                                                                                                                                     ADDRESSEE:
                           RESULT 6
US-08-660-678A-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 7
US-08-710-249-26
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0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Juni,
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
IITLE OF INVENTION: Assays for the RNA Component of Human
TITLE OF SEQUENCES: Telomerase
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 26;
                                                                                                                                                 Length 26;
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SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/482,115B
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATTORNEY AGENT INFORMATION:
NAME: Storella, John R.
REFERENCE/DOCKET NUMBER: 015389-000830US
TELECOMMUNICATION INFORMATION:
TELEFRAX: (415) 576-0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Townsend and Townsend and Crew LLP
                                                                                                                                                                     7.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: Townsend and Townsend and Crew LLI
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                 DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
                                                                                                                                                                                                 Mismatches
                                                                                                                                            Ouery Match 60.0%; Score 12; Best Local Similarity 100.0%; Pred. No. Matches 12; Conservative 0; Mismatc
                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 23, Application US/08482115B
Patent No. 5776679
GENERAL INPORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             60.0%; 100.0%;
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Best Local Similarity 100
Matches 12; Conservative
                                                                                                                                                                                                                                            9 GTTTGCTCTAGA 20
                                                                                                                                                                                                                                                                                            1 GTTTGCTCTAGA 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GTTTGCTCTAGA 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: single
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; MOLECULE TYPE: DNA
US-08-482-115B-23
                                                  TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RY: USA
94111-3834
                                                                                                  US-08-330-123A-23
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Gaps
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Patent No. 5858777
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Adams, Robert R.
TITLE OF INVENTION: Methods and Reagents for Regulating
TITLE OF INVENTION: Telomere Length and Telomerase Activity
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
Length 26;
                                    Indels
Score 12; DB 2; L
Pred. No. 7.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                               Townsend and Townsend and Crew LLP
        100.0%; Pred. ...
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Length 26;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Villeponceau, Bryant
APPLICANT: Villeponceau, Bryant
APPLICANT: Villeponceau, Bryant
APPLICANT: Villeponceau, Bryant
APPLICANT: Feng, Junil
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-334
COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC Compatible
OPERATION SYSTEM: PC-DOS/NMS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURSTATION NUMBER: US/08/472,802C
FILING DATE: 07-UTW-1995
CLASSIFICATION NUMBER: US/08/330,123
FILING DATE: 27-OCT-1994
ATTONEY/AGENT: INFORMATION:
APPLICATION NUMBER: 108 08/330,123
FILING DATE: 27-OCT-1994
ATTONEY/AGENT: INFORMATION:
NAME: SMITH, William M.
REPERBNICE/DOCKET NUMBER: 15389-000820
TELECOMMUNICATION INPORMATION:
NAME: REPERBNICE/DOCKET NUMBER: 15389-000820
TELECOMMUNICATION INPORMATION:
REPERBNICE/DOCKET NUMBER: 15389-000820
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 12; DB 2; Lo
Pred. No. 7.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 60.0%; Score 12; DB Best Local Similarity 100.0%; Pred. No. 7.6 Matches 12; Conservative 0; Mismatches
FILING DATE: 07-JE-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB-1995
FILING DATE: 13-FEB-1995
FILING DATE: 27-OCT-1994
FILING DATE: 27-OCT-1994
FILING DATE: 27-OCT-1994
FILING DATE: 27-OCT-1994
APPLICATION NUMBER: US 08/272,102
FILING DATE: 27-OCT-1994
APPLICATION DATA: 37-DCT-1994
ATTORNEY, ADGNT INFORMATION:
FRIESPRATION NUMBER: GSHL94-05A4
ATTORNEY, AND FREE SET OF OCKET NUMBER: GSHL94-05A4
TELEPHONE: 617-861-6240
FILING DATE: 07-0CL-1994
ATTORNEY, DOCKET NUMBER: CSHL94-05A4
FELERAMIN CATION INFORMATION:
FELERAMIN FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
FTOPEL MOLOGY: 11near
US-08-485-778-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-472-802C-24
; Sequence 24, Application US/08472802C
; Patent No. 5958680
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9 GITIGCICIAGA 20
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APPLICANT: Avilion.
APPLICANT: Avilion, Ariel Athena
APPLICANT: Funk, Walter
APPLICANT: Funk, Walter
APPLICANT: Funk, Walter
APPLICANT: Funk, Walter
APPLICANT: Gracider, Carol
APPLICANT: Gracider, Carol
APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RNA COMPONENT OF TELOMERASE
NUMBER OF SEQUENCES: 45
COMPRESSEE: Hamilton, Brock, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: MA
COUNTRY: US
ZIP: O2178: WS
COMPUTER: Floppy disk
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Ploppy disk
MEDIUM TYPE: Ploppy disk
COMPUTER: DatentIN Release #1.0, Version #1.30
CURRARE APPLICANT MIMBER: 164,64,64,778
APPLICANT APPLICATION DATES
                                                                                                                                        COUNTRY: USA

ZIP: 94411-934

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: RAPELICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/710,249
FILING DATE: 13-SEP-1996
CLASSIFICATION NUMBER: US/08/583,808
FILING DATE: 05-AN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/583,808
FILING DATE: 05-AN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/583,808
FILING DATE: 05-AN-1996
FILING DATE: 05-AN-1996
FILING DATE: 05-CAN-1996
F
                                    STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California
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Patent No. 5876979
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 60.0 Best Local Similarity 100. Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ) TOPOLOGY: linea ) MOLECULE TYPE: DN US-08-710-249-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-485-778-19
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                                                 Length 26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/998,443
APPLICATION NUMBER: US/08/998,443
FILING DATE:
PLING DATE:
APPLICATION DATA:
PRICK APPLICATION DATA:
APPLICATION NUMBER: US/08/660,678
FILING DATE: 05-JUN-1996
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRICK APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: SLOCATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 015389-000811US
TELECOMMUNICATION INFORMATION:
MATERIAL STOCATION INFORMATION:
Score 12; DB 3; Leng
----d. No. 7.6e+02;
0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Townsend and Townsend and Crew LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 12
US-08-974-549A-598
Sequence 598, Application US/08974549A
Patent No. 6166178
                                                                                                                                                                                                                                                                                                                           US-08-998-443-23
; Sequence 23, Application US/08998443
; Patent No. 6054575
                                                       60.08; Fit
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TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 23: SEQUENCE CHARACTERISTICS: LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 60.0
Best Local Similarity 100.
Matches 12; Conservative
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                                                                                                         Conservative
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Matches 12; Conserv
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APPLICANT: Willeponteau, Bryant
TITLE OF INVENTION: RNA Component of Telomerase
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: MA
COUNTRY: US
ZIP: 02173
COMPUTER READBLE FORM:
MEDIUM TYPE: Ploppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENGE/DOCKET NUMBER: CSHL94-05A3B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
INFORMATION FOR SEQ ID NO: 19: SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                     Query Match 60.0%; Score 12; DB Best Local Similarity 100.0%; Pred. No. 7.6 Matches 12; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Andrews, William H.
APPLICANT: Avilion, Ariel A.
APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
APPLICANT: Greider, Carol
APPLICANT: Marhuenda, Maria A. B.
APPLICANT: Willeponteau, Bryant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 19, Application US/08520550A
Patent No. 6013468
GENERAL INFORMATION:
                                     TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 24
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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STRANDEDNESS: single
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GENERAL INCOMATION:

APPLICANT: CALCAIN CHOMES R.

APPLICANT: Migner, Joachim
APPLICANT: Migner, Joachim
APPLICANT: Migner, Joachim
APPLICANT: Migner, Joachim
APPLICANT: Morin, Greeg B.

APPLICANT: Morin, Article B.

APPLICANT: MAINER, ALILIAN H.

APPLICANT: MAINER, ALILIAN H.

APPLICANT: MAINER, JOACHIMER, JOACHIMER,
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Sequence 26, Application US/09220157A
Patent No. 630010
CABEAL INFORMATION:
CAPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Andrews, William H.
APPLICANT: Addms, Robert R.
TITLE OF INVENTION: Methods and Reagents for Regulating
TITLE OF INVENTION: Telomere Length and Telomerase Activity
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       60.0%; Score 12; DB 4; Length 26; 100.0%; Pred. No. 7.6e+02; ive 0; Mismatches 0; Indels
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Patent No. 6300131
GENERAL INFORMATION:
APPLICANT: Johns Hopkins University
APPLICANT: Greider, Carol W.
APPLICANT: Le, Siyuan
TITLE OF INVENTION: TELOMERASE-ASSOCIATED PROTEINS
FILE REFERENCE: 07265/157001
CURRENT APPLICATION NUMBER: US/09/286,959B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/220,157A
                                                                                                                                                                                                                                                                               ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California COUWIRY: USA ZIP: 94111-3834
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REFERNEC/DOCKET NUMBER: 015389-001220US
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0200
INFORMATION FOR SEQ ID NO: 26: SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/710,249
FILING DATE: 13-SEP-1996
APPLICATION NUMBER: US 08/583,808
FILING DATE: 05-JAN-1996
PRIOR APPLICATION NUMBER: US 08/583,808
PRIOR APPLICATION NUMBER: US FILING DATE: 08-SEP-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 60.0 Best Local Similarity 100. Matches 12; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION:
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US-09-286-959B-4
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; PRIOR APPLICATION NUMBER: 60/080,783
; PRIOR FILING DATE: 1998-04-06
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 26
; TYPE: DAA
; ORGANISM: Artificial Sequence
; FATURE:
; CHER INFORMATION: Primer
US-09-286-959B-4

Query Match

Query Matches

12; Conservative

0; Mismatches

0; Indels

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Search completed: June 23, 2003, 10:17:09

Job time: 32:3147 secs
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Human telomerase poligonuclectide SE Oligonuclectide SE Oligonuclectide SE Oligonuclectide SE Oligonuclectide SE Oligonuclectide SE Oligonuclectide SE DNA sequencing proferiament SCFV1 primer Human SCFV1 primer Human SCFV1 primer RNA component of h RNA compone

Human telomerase-a Human telomerase (RNA component of h Human telomerase R

Antisense oligonuc Human clone 28-1 t Antisense oligonuc Human serine/threo Streptococcus pneu Plasmid p182Sfil c Plasmid p182Sfil c Streptococcus pneu Circular plasmid e

Streptococcus

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Weinrich SL,

Kealey JT, Kim NW, Pruzan R,

20 113 113 113 113

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50 40 50

Result No.

WPI; 1998-377670/32.

Perfect score:

Sequence:

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OM nucleic

Run on:

Scoring table:

Word size :

Database

Searched:

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RNA component; human telomerase; antisense oligonucleotide; infection; neuroblastoma; bladder cancer; colon cancer; prostate cancer; cancer; contraception; sterilisation; immunosuppression; therapeutic; hTR; immune system down-regulation; anti-inflammatory therapy; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RNA component of human telomerase (hTR) antisense oligo 20/21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 ALIGNMENTS
                                                                                                                                                                                                 AAV17033
AAX90788
AAX77402
AAX01542
                                                                                                                                                                                                                                                         ABK48024
AAD24246
AAV41193
ABA95497
                                                                                                                                                                         AAT58811
AAV19489
                                                                                                                                                                                                                                                                                                                             AAS09475
AAL42603
AAV27458
                                                                    ABH59433
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                                                                                                                                                                                                                                                                                                                                                                                                               AAX88932
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAV41180 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       96US-0770565.
96US-0770564.
 97WO-US23619.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
(GERO-) GERON CORP.
08-OCT-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO9828442-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20-DEC-1996;
20-DEC-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19-DEC-1997;
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22,22,222,222,222,222,222,222,222,222
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SNP specific lower
Oligonucleotide pr
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Human telomerase p
Human telomerase P
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Human telomerase P
                                                                          June 22, 2003, 18:09:32; Search time 132.908 Seconds (without alignments) 338.880 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                            | S1DS2/gcgdata/geneseq/geneseqn-embl/MA1981.DAT:*
| S1DS2/gcgdata/geneseq/geneseqn-embl/MA1981.DAT:*
| S1DS2/gcgdata/geneseq/geneseqn-embl/MA1981.DAT:*
| S1DS2/gcgdata/geneseq/geneseqn-embl/MA1981.DAT:*
| S1DS2/gcgdata/geneseq/geneseqn-embl/MA1985.DAT:*
| S1DS2/gcgdata/geneseq/geneseqn-embl/MA1985.DAT:*
| S1DS2/gcgdata/geneseq/geneseqn-embl/MA1985.DAT:*
| S1DS2/gcgdata/geneseq/geneseqn-embl/MA1981.DAT:*
| S1DS2/gcgdata/geneseq/geneseqn-embl/MA1981.DAT:*
| S1DS2/gcgdata/geneseq/geneseqn-embl/MA1981.DAT:*
| S1DS2/gcgdata/geneseq/geneseqn-embl/MA1991.DAT:*
| S1DS
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                                                                                                                                                                                                                                                          2166140
           5.1.6
Compugen Ltd.
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                                                                                                                                                                                                          2185239 segs, 1125999159 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SUMMARIES
           GenCore version
Copyright (c) 1993 - 2003
                                                                                                                                                                                                                                                                                                                  Post-processing: Listing first 45 summaries
                                                       nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAV41180
AAS15934
AAC93100
AAT58125
AAT58125
AAT5812
AAT5812
AAT5937
AAS15938
AAH39806
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Match Length
                                                                                                                                                                                                                                                                              Minimum DB seq length: 0 Maximum DB seq length: 50
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995.0
90.0
80.0
65.0
65.0
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Sequences shown in AAV41169 to AAV41181 represent antisense
colgonuclectides to the RNA component of human telomerase (HTR). These
antisense oligonuclectides specifically hybridise to a nucleotide
sequence within an accessible region of the hTR, but that does not
hybridise to a sequence within the template region of hTR. These
component of human telomerase in a sample. This is useful for diagnosing
component of human telomerase in a sample. This is useful for diagnosing
cancer (especially neuroblastoma, bladder, colon and prostate cancer),
and providing prognosis for a cancer patient. The inhibitory
coligonuclectides can inhibit the telomerase activity level in a cell by
and providing with transcription of the RNA component, decreasing the
half-life of the telomerase RNA component transcript, inhibiting assembly
of the RNA component transcript, inhibiting the
collymerase activity of telomerase. These antisense oligonucleotides can
be used for inhibiting telomerase activity in both cultured cells and in
collymerase activity of telomerase activity in both cultured cells and in
collymerase activity of telomerase activity in both cultured cells and in
collymerase activity of subsequence activity in both cultured cells and in
collymerase activity of subsectively down-regulating specific branches
immunosuppression, and for selectively down-regulating specific branches
collymerase activity of collowerase oligonucleotides
collymerase activity of contracepticn or sterilisation, for
immunosuppression, and for selectively down-regulating specific branches
collymerase activity of collowerase oligonucleotides
collymerase activity of telomerase oligonucleotides
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Gaps
                New polynucleotide(s) anti:sense to human telomerase - used for detecting or inhibiting human telomerase, e.g. for treating cancers, contraception, immuno-suppression or treating infection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ch 100.0%; Score 20; DB 19; Length 20; Similarity 100.0%; Pred. No. 0.54; 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1..20
/*tag= a
/mdd base= OTHER
/note= "N3'-P5' phosphoramidate linkages"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human telomerase polynucleotide inhibitor #15.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 20 BP; 3 A; 3 C; 3 G; 11 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAS15934 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO200174136-A2.
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modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens.
Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
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GERO-) GERON CORP

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The invention relates to polynuclectide inhibitors (I) and methods for inhibiting telomerase activity. (I) are useful in inhibiting telomerase activity. (I) are useful in inhibiting telomerase activity and proliferation of a telomerase postive cell, and in manufacturing a medicament for inhibiting telomerase activity in a cell and in treating a telomerase-mediated condition or disease, such as adenocarcinoma of breast, prostate or colon, mixed cell leukaemia, Hodgkin's disease, tertility and inflammatory conditions. (I) are also useful in treating a tumour or in manufacturing a medicament for the treating a tumour or in manufacturing a medicament for the treatment of tumour. The polynuclectide inhibitors may also be used in diagnostic assays for detecting RNA or DNA. Inhibition of telomerase and other disorders inhibition of telomerase, and in treating vectorinary proliferative expression of telomerase, and in treating vectorinary proliferative for immunosuppression and for selectively down-regulating specific branches of the immune system. The present sequence represents human telomerase polynuclectide inhibitor #15, as described in the method of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Inhibiting or reducing growth of cell for treating cancer, comprising administering telomere damage-inducing agent and telomerase inhibitory agent to the cell
                                                                         New polynucleotide useful for inhibiting telomerase activity in cells, or for treating telomerase-mediated condition or disease, such as cancers, tumours, Hodgkin's disease, or inflammatory conditions -
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Telomerase; cancer; telomere damage; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 20 BP; 3 A; 3 C; 3 G; 11 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Pred. nc. -
             Weinrich SL;
                                                                                                                                                  Claim 8; Page 36; 48pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 CATTITITITITIES 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAC93100 standard; DNA; 25 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 100.v
             Gryaznov SM, Pruzan R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2001-071022/08.
                                               WPI; 2001-656955/75
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AUJL/) AU J L.
(WIEN/) WIENTJES G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200074667-A2.
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AAT58812 standard; DNA; 22

RESULT 5 AAT58812

AAT58812;

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Gaps

Example 7; Page 62; 97pp; English.

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The present invention provides a method for inhibiting or reducing the growth of a cell which involves administering to the cell a telomere damage inducing agent and a telomerase inhibitory agent. This can be used in the treatment of aberrant cell growth, including cancers.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present sequence was used in the preparation of a plasmid vector for the expression of foreign genes in a host, e.g. E. coli, contains a promoter sequence, which is recognised by a non-host RNA polymerase and a replication origin which increases the number of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           restriction enzyme gene even in the absence of a modification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 18; Length 28; 5.1;
                                                                                                                                                DB 22; Length 25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Plasmid for expression of heterologous genes in a host - or promoter sequence recognised by a non-host RNA polymerase
                                                                                                                                                                             Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                       Plasmid vector; gene expression; PCR primer; ss.
                                                                                                                   Sequence 25 BP; 4 A; 5 C; 4 G; 12 T; 0 other;
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                                                                                                                                              Query Match
90.0%; Score 18; DB
Best Local Similarity 100.0%; Pred. No. 5.1
Matches 18; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Veno H;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; Page 53; 102pp; Japanese.
                                                                                                                                                                                                           1 CATTITITITITICTIA 18
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                                                                                                                                                                                                                                                                                                                 AAT93259 standard; DNA; 28 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     90.06;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13-MAR-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        18-JUL-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic.,
                                                                                                                                                                                                                                                                                                                                             AAT93259;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Kato I,
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×8×88888×88
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The present sequence represents PCR 3'-primer hal88 used for amplifying the human telomerase (hTR). The RNA and DNA can be used in hybridisation assays to detect or quantify telomerase activity in cells, tissue or fluid samples, e.g. for diagnosis of eukaryotic parasites (yeast and protozoa) or tumours. It is also useful as primers for amplification assays. The truncated or recombinant vertebrate telomerase cannot hereapeutically to increase telomerase activity (also as reagents in the screening assay) while the RNA or other inhibitors such as antisense molecules, are used to reduce such activity. Typical as antisense molecules, are used to reduce such activity. Typical or to prevent immortalisation of activity to cause senescence or to prevent immortalisation of activity to cause senescence or to prevent immortalisation of activity or parasites. The DNA is also used to produce recombinant telomerase, which can then be used telomerase allows early diagnostic detection of telomerase allows early diagnostic of tumour or infection, before clinical signs manifest. Telomerase inhibitors directed against e.g. Trypansoema should cause fewer side effects than drugs currently used to treat such infections. The DNA encodes those parts of hTR RNA essential for activity but are significantly shorter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DNA encoding essential RNA components of human telomerase - al
truncated or recombinant telomerase, useful for diagnosis and
treatment of cancer and infection by eukaryotic parasites
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 22;
                                                                                                                                Cancer, eukaryotic parasite; hTR; vertebrate telomerase; 
protozoa; tumour; antibody; polymerase chain reaction; 88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Indels
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Pred. No. 48;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 22 BP; 3 A; 4 C; 4 G; 11 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
                                                                                              Human telomerase PCR 3'-primer hal88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 5; Page 32; 48pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        than the endogenous RNA component
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                                                                                                                                                                                                                                                                                                                                                                                      (COLD-) COLD SPRING HARBOR LAB.
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                                                                                                                                                                                                                                                                                                          96WO-US09517.
                                                      (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                            Autexier C, Greider C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 1997-099928/09.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                WO9640868-A1
                                                                                                                                                                                                                                                                                                          06-JUN-1996;
                                                                                                                                                                                                                                                                                                                                                07-JUN-1995;
                                                        20-NOV-1997
                                                                                                                                                                                                                                                                      19-DEC-1996.
                                                                                                                                                                                            Synthetic.
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The invention relates to polynuclectide inhibitors (I) and methods for inhibiting telomerase activity. (I) are useful in inhibiting telomerase activity and proliferation of are useful in inhibiting telomerase activity and proliferation of are useful in inhibiting telomerase activity in a cell manufacturing a medicament for inhibiting telomerase activity in a cell and in treating telomerase activity in a cell and intreating telomerase activity in a cell denocarcinome of breast, prostate or colon, mixed cell leukaemia, Hodgkin's disease, fertility and inflammatory conditions. (I) are also useful in treating a tumour or in manufacturing a medicament for the treating a tumour or in manufacturing a medicament for the treating cumour. The polynuclectide inhibitors may also be used in dispnostic assays for detecting RNA or DNA. Inhibition of telomerase and other disorders involving inappropriate expression of telomerase, and in treating vectrinary proliferative configeases. Inhibition of telomerase in haematopoietic stem cells in the for immunosuppression and for selectively down-regulating specific. Drannfors of the immune system. The present sequence represents in the method of the invention.
                                                                                                                                         Human, telomerase, hTR; cytostatic, anti-inflammatory, adenocarcinoma, breast, prostate; colon; mixed cell leukemnia; Hodgkin's disease; fettility; inflammatory condition; tumour; cancer; veterinary; immunosuppression, telomerase inhibitor; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New polynucleotide useful for inhibiting telomerase activity in cells, or for treating telomerase-mediared condition or disease, such as cancers, tumours, Hodgkin's disease, or inflammatory conditions
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ouery Match 65.0%; Score 13; DB 23; Length 13; Best Local Similarity 100.0%; Pred. No. 1.4e+03; Matches 13; Conservative 0; Mismatches 0; Indels
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/tdg= a

/mod base= OTHER

/note= "N3'-PS' phosphoramidate linkages"
                                                                                               Human telomerase polynucleotide inhibitor #19.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gryaznov SM, Pruzan R, Weinrich SL;
                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 3; Page 32; 48pp; English.
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AAH39806
ID AAH39806 standard; DNA; 24 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 30-MAR-2001; 2001WO-US10476.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 31-MAR-2000; 2000US-0540119
                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6 TTTGTTTGCTCTA 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GERO-) GERON CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200174136-A2
                                                                                                                                                                                                                                                                                                                                                          Key
modified_base
                                                                                                                                                                                                                                                                            Homo sapiens.
                                               27-FEB-2002
                                                                                                                                                                                                                                                                                                             Synthetic.
  AAS15938;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to polymucleotide inhibitors (I) and methods for inhibiting telomerase activity. (I) are useful in inhibiting telomerase activity. (I) are useful in inhibiting telomerase activity and proliferation of a telomerase activity in a call manufacturing a medicament for inhibiting telomerase activity in a cell and treating a tumour or in manufacturing a medicament for the treating a tumour or in manufacturing a medicament for the treating a tumour or in manufacturing a medicament for the treatment of tumour. The polymucleotide inhibitors may also be used in diagnostic assays for detecting RNA or DNA. Inhibition of telomerase activity in cells in vivo is useful in prophylactic and therapeutic methods of treating cancer and other disorders involving inappropriate expression of telomerase, and in treating veterinary proliferative continuous presents and for selectively down-regulating specific for immunosuppression and for selectively down-regulating specific branches of the immune system. The present sequence represents the invention.
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                                                                                                                    Human, telomerase, hTR; cytostatic; anti-inflammatory; adenocarcinoma; breast; prostate; colon; mixed cell leukaemia; Hodgkin's disease; fertility; inflammatory condition; tumour; cancer; veterinary; immunosuppression; telomerase inhibitor; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New polynuclectide useful for inhibiting telomerase activity in cells, or for treating telomerase-mediated condition or disease, such as cancers, tumours, Hodgkin's disease, or inflammatory conditions -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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                                                                                                                                                                                                                                                                                                                                                          1.13
| frag= a
|mod base= OTHER
|note= "N3'-P5' phosphoramidate linkages"
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Best Local Similarity 100.0%; Pred. No. 1.40+03;
Matches 13; Conservative 0; Mismatches 0; Indels
                                                                          Human telomerase polynucleotide inhibitor #18.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gryaznov SM, Pruzan R, Weinrich SL;
                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            31-MAR-2000; 2000US-0540119.
                       27-FEB-2002 (first entry)
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1 TTTTTGTTTGCT 13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO200174136-A2.
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modified_base
                                                                                                                                                                                                                                                          Homo sapiens.
Synthetic.
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Gaps ö

RESULT 7
AAS15938
ID AAS1

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SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.

Oligonucleotide primer SEQ ID NO 286379 for detecting SNP TSC0012703.

(first entry)

22-FEB-2002

ABH86386 standard; DNA; 12

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Sequences AAH37205 - AAH40944 represent PCR primers, single nucleotide primers, and the sequences of regions flanking sites of single nucleotide polymorphisms SNPs. The present invention includes kits for determining the presence or absence of a SNP, using the includes kits for determining the presence or absence of a SNP, using the oligonucleotides of the invention. The PCR primers are used to amplify a SNP flanking sequence, the SNPE primer is used as a genotyping primer. The oligonucleotides are useful for genotyping a nucleic acid sample by performing a single-nucleotide primer extension reaction. The cilgonucleotides are useful for determining the presence, absence or identity of a SNP and for genotyping nucleic acid sample by concludes are useful for determining the presence, absence or identity of a SNP and for genotyping nucleic acid samples, for e.g. to assess by association analysis the genotype of an individual or group of individuals, having a pathological phenotypic trait suspected of being caused by one or more SNPs. Phenotypic traits include diseases e.g. caused by one or more SNPs. Phenotypic traits include diseases e.g. cateogenesis imperfecta and acute intermittent porphyria. Phenotypic traits also include symptoms of or susceptibility to multifactorial caused proposed in the present is or may be genetic such as autoimmune cliesases of which a component is or may be genetic such as autoimmune cliesases, including, rheumatoid arthritis, multiple sclerosis, including, The present sentences and infection by pathogenic contention analysis. The present sentences and infection by pathogenic contention analysis. The present sentences and infection by pathogenic contention analysis.
                                                                                                                                                                   Single nucleotide polymorphism; SNP; single nucleotide primer extension; SNPE; genotyping; agammaglobulinaemia; diabetes insipidus; cancer; Lesch-Nyhan syndrome; nuccular dystrophy; familial hypercholesterolaemia; polycystic kidney disease; osteogenesis imperfecta; autoimmune disease; acute intermittent porphyria; rheumatoid arthritis; multiple sclerosis; inflammation; forensic investigation; paternity analysis; PCR primer; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present sequence represents a PCR primer specific
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New genotyping oligonucleotide, useful for detecting the presence, absence or identity of single polynucleotide polymorphism in a nucleic
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                                                                                                                       SNP specific lower PCR primer SEQ ID 2602.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               human SNP containing DNA sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 1; Page 63; 83pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (ORCH-) ORCHID BIOSCIENCES INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13-OCT-2000; 2000WO-US28436.
                                                                      14-AUG-2001 (first entry)
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                       AAH39806;
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This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation.
ABC00010-ABC99989, ABF00010-ABF99989, ABH000110-ABH99989 and

Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cytosine methylation status

Berlin K;

Olek A, Piepenbrock C, (EPIG-) EPIGENOMICS AG

WPI; 2001-657177/75.

06-APR-2001; 2001WO-IB00713. 07-APR-2000; 2000DE-1019173

WO200177384-A2.

18-OCT-2001.

Homo sapiens

Claim 1; SEQ ID 286379; 29pp + Sequence Listing; German.

ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at

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                                                                                                                                                                                             60.0%; Score 12; DB 23; Length 12; 100.0%; Pred. No. 4.4e+03; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                               Human telomerase polynucleotide inhibitor #16.
                                                                                                                                                                                                                                         AAS15935 standard; DNA; 13 BP.
                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                      12; Conservative
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                                                                                                                                                                                                 Local Similarity
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AAS15935
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Gaps

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Indels

1.4e+03; hes 0;

Pred. No. 1.4 0; Mismatches

100.08;

Local Similarity 100.

Best Loca Matches

2 ATTTTTTTGC 14

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RESULT 9 ABH86386

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breast; prostate; colon; mixed cell leukaemia; Hodgkin's disease;
fertility; inflammatory condition; tumour; cancer; veterinary;
immunosuppression; telomerase inhibitor; ss.
                                                                                                                                                                                                                                                           Gaps
                                                                                       Sequence 12 BP; 1 A; 0 C; 2 G; 9 T; 0 other;
ftp.wipo.int/pub/published_pct_sequences.
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Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to polynucleotide inhibitors (I) and methods for inhibiting telomerase activity. (I) are useful in inhibiting telomerase activity. (I) are useful in inhibiting telomerase activity and proliferation of a telomerase activity in a call in treating a medicament for inhibiting telomerase activity in a cell and in treating telomerase. Activity in a cell and the tumour. The polynucleotide inhibitors may also be used in treating a tumour or in manufacturing a medicament for the treating a tumour or in manufacturing a medicament for the treatment of tumour. The polynucleotide inhibitors may also be used in treatment of tumour. The polynucleotide inhibitors may also be used in diagnostic assays for detecting RNA or DNA. Inhibitors may also be used in cativity in cells in vivo is useful in prophylactic and therapeutic methods of treating cancer and other disorders involving inappropriate corrections to telomerase, and in treating veterinary proliferative confiseases. Inhibition of telomerase in haematopoietic stem cells is useful for immunosuppression and for selectively down-regulating specific branches of the immune system. The present sequence represents human telomerase polynucleotide inhibitor #16, as described in the human telomerase polynucleotide inhibitor #16, as described in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; 88; central nervous system; gastrointestinal; respiratory; immune; metabolic.
                                                                                                                                                                                                                                                                                                       New polynucleotide useful for inhibiting telomerase activity in cells, or for treating telomerase-mediated condition or disease, such as cancers, tumours, Hodgkin's disease, or inflammatory conditions -
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  60.0%; Score 12; DB 23; Length 13; 100.0%; Pred. No. 4.4e+03; tive 0; Mismatches 0; Indels
                                                                                             /note= "N3'-P5' phosphoramidate linkages"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 13 BP; 2 A; 1 C; 1 G; 9 T; 0 other;
                                                                                                                                                                                                                                                     Gryaznov SM, Pruzan R, Weinrich SL;
                                      Location/Qualifiers
                                                                  /*tag= a
/mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                            Claim 8; Page 36; 48pp; English.
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                                                                                                                                                                         30-MAR-2001; 2001WO-US10476.
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Best Local Similarity 100.
Matches 12; Conservative
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                                                                                                                                                                                                                            (GERO-) GERON CORP.
                                                                                                                       WO200174136-A2.
                                      Key
modified_base
Homo sapiens.
Synthetic.
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This invention describes novel oligonuclectide primers or peptide nucleic acid (PMA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, oligomers are also used for detecting call type differentiation. ABC00010-ABC99989, ABF00010-ABP99989, ABH00010-ABH99989 and ABI00010-ABH99989 and NOTE. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO.at ftp.wipo.int/pub/published_pct_sequences.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cytosine methylation status
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 1; SEQ ID 9075; 29pp + Sequence Listing; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 13 BP; 1 A; 0 C; 3 G; 9 T; 0 other;
                                                                                                                                                                                                                                                                                                                                              Berlin K;
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ABC09085/c
ID ABC09085 standard; DNA; 13 BP.
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                                                                                                                                                                                                                                                                         (EPIG-) EPIGENOMICS AG.
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WO200177384-A2.
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This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC0010-ABE99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABF80973 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
                                          Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single nucleotide polymorphisms and cytosine methylation status
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                                                                                                                                 Claim 1; SEQ ID 9076; 29pp + Sequence Listing; German.
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100.0%; Pred. No. 4.4e+03;
ive 0; Mismatches 0;
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Best Local Similarity 100.0%;
Matches 12; Conservative 0
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acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligomiclotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC0010-ABC99989, ABF00010-ABH99989 and ABC0010-ABH82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at
range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-ABR182071 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at
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This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligoners for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, catchodisma and metabolic disorders. The ABCOONIO-ABC9999, ABF00010-ABF99999, ABF900010-ABF99999
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Copyright (c) 1993 - 2003 Compugen Ltd.
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| OM nucleic - nuc | OM nucleic - nucleic search, using sw model |
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| Run on: | June 23, 2003, 01:05:28 ; Search time 232.59 Seconds (without alignments) 2502.502 Million cell updates/sec |
| Title: Perfect score: Sequence: | US-08-770-564A-13 20 1 CATTTTTGTTTGCTCTAGA 20 |
| Scoring table: | OLIGO_NUC Gapop_60.0 , Gapext_60.0 |
| Searched: | 2054640 segs, 14551402878 residues |
| Word size : | 0 |
| Total number of | Total number of hits satisfying chosen parameters: 841850 |
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1: gb_ba:*

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Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Description | Sequenc | 22007 00545 | mence | . e | Sequenc | AX117479 Sequence | A24429 Oligonucleo | AAVO / 438 Segrence | AR016055 Sequence | AR028786 Sequence | AR059216 Sequence | ARO/332/ Sequence AR161925 Semience | AX022187 Sequence | AX033377 Sequence | AX468455 Sequence | EDULIZY/ Human tel E36508 Method for | E37046 Human telom | I31770 Sequence 23 | AKUBSBSU SEGUENCE AX317989 Seguence | A84595 Sequence 5 | AR079892 Sequence | A02008 Bacterial 8 | A06778 Nucleotide | ALB24208 Arabidops | AR053673 Sequence AR053686 Sequence | . AR120377 Sequence | AR003335 Sequence | AR001575 Seguence | A02009 Artificial | A06779 Nucleotide | liqonucl | Sequence | 837 Seq | 7392 | 93717 Sequenc | | | occurrence occurrence | ineal FA1 23-55F-133 | | | | o do include | k. and wellitch, S.L. : of telomerase | |
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| ID | AR063837 | BD0005 | T83455 | AX0582 | | AX1174 | A24429 | A94988 | | | AR059216 | | | | | | | | | | | | A06778 | | AR053675 | AR120377 | AR003335 | AR001575 | A02009 | A06779 | | AX069089 | 837 | AX487392 | 9371 | ALIGNMENTS | | 44 00 | US 5846723. | .45 | | | E - | Nealey, U.1., Fiuzall, R ing the RNA component A 13 08-DEC-1998. | -11 CO-DBC-1330, |
| Length DB | 20 6 | | | | | | | | | | | | | | | | | | | | | 9 9 9 9 9 9 9 9 9 | | | | | 41 6 | | | | | | | | | | | | 3 from patent | . GI:59931 | | 7 | 1 to 20) | , wu,f., or detecti | 2 2046/23-A 13 UG-U |
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| Result No. Scor | | |) U | | . 9 | ۲. | 20 C | , <u>C</u> | : 11 | 12 | 13 | | 16 | 17 | . 18 | 70 70 | 21 | 22 | 2 2 2 | 25 | 26 | | c 29 | | | | 0 0 44 44 | | c 37 | | v 4. | | c 42 | | c 45 | | RESULT 1 | AR063837 | Z | z | KEYWORDS | ORGANISM | REFERENCE | | |

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Query Match 90.0%; Score 18; DB 6; Length 28; Best Local Similarity 100.0%; Pred. No. 1.8e+02; Matches 18; Conservative 0; Mismatches 0; Indels
/db_xref="taxon:32644"
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PR HROAKI SAGAWA, HARUMI UENO, ATSUSHI OHSIMA, IKUNOSHIN KATO PC C12N15/09, C12N9/16//(C12N9/16,C12R1:19), C12N15/00 CC C Topology: Linear;

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/organism='Unidentified'
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synthetic construct
artificial sequence.

1. (bases 1 to 24)
Au., L. and Wientjes, G.
Compositions active in telomere damage comprising a taxane and telomerase inhibitor patent: WO 0071667-A 5 14-DEC-2000;
Au. Jessie L.S. (US)
Au. Jessie L.S. (US)
Au. Jessie L.S. (US)
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                                                                                                                                       linear
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/organism="synthetic construct"
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/note="primer/probe" .
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Sequence 19 from patent US 5714323.
183455.1 GI:3406985
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Sequence 5 from Patent W00074667.
AX058270 GI:12310769
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synthetic construct.
synthetic construct
artificial sequences.
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Best Local 2; Conservative
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Best Local Similarity 100.
Matches 12; Conservative
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Aegilops tauschií
Eukaryota, Viridiplantae, Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Pooldeae; Triticeae; Aegilops.
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Microsatellite markers from Triticum tauschii
Patent: EP 121707-A 335 26-JUN-2002;
INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE (INRA) (FR)
Location/Qualifiers
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/organism="synthetic construct"
/db_xref="taxon:32630"
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/organism="Aegilops tauschii"
/db_xref="taxon:37682"
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Sequence 2602 from Patent W00129262.
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AXII7479.1 GI:14034430
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Sequence 335 from Patent EP1217079.
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A24429.1 GI:2293585
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1 (bases 1 to 25)
Baidya,N., Chen,Y.D., Holding,J. and Yu,Y.T.
Gene specific arrays and the use thereof
Patent: WO 0077257-A 62 21-DEC-2000;
Clingenix, Inc. (US)

    (bases 1 to 26)
    Emrich, T.D.
    Method for detection of carcinoma of the urinary bladder within a

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100.0%; Pred. No. 1e+05;
:ive 0; Mismatches 0; Indels
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/organism="synthetic construct"
/db_xref="taxon:32630"
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Sequence 62 from Patent W00077257.
AX057458 GI:12310196
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/organism="Homo sapiens"
/db_xref="taxon:9606"

    .26
    /organism="unidentified"

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Sequence 2 from Patent BP0926245.
A94988
A94988.1 GI:6779168
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PAT 30-AUG-2000
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SM Unknown:
Unclassified.
1 (bases 1 to 26)
RS Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H.
Mammalian telomeraes
Mammalian telomeraes
Mammalian telomeraes
AL Patent: US 625853-A 23 10-JUL-2001;
Location/Qualifiers
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Unkinch...
Unclassified.
1 (bases 1 to 26)
1 (bases 1 to ...
Mammalian telomerase
Patent: US 5837857-A 23 17-NOV-1998;
Location/Qualifiers
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Unclassified.
I (bases I Eo. 26)
Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H.
Nammalian telomerase
Patent: US 5958680-A 24 28-SEP-1999;
Location/Qualifiers
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Sequence 23 from patent US 6258535.
AR161925.1 GI:16228953
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Sequence 24 from patent US 5958680.
AR075527.1 GI:10002275
Sequence 23 from patent US 5837857.
AR059216
AR059216.1 GI:5984793
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/organism="unknown"
7 a 3 c 9 g
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(Dases 1 to 26)

Villeponteau, B., Feng, J., Andrews, W.H. and Adams, R.R.

Villeponteau, B., Feng, J., Andrews, W.H. and Adams, R.R.

Methods and reagents for regulating telomere length and telomerase activity

Patent: US 5858777-A 26 12-JAN-1999;

Patent: US 5858777-A 26 12-JAN-1999;

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IE 1 (bases 1 to 26)

AS Villeponteau, B., Feng, J., Funk, W. and Andrews, W.H.

Assays for the DNA component of human telomerase

AL Patent: US 577679-A 23 07-JUL-1998;

Location/Qualifiers

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                           Query Match 60.0%; Score 12; DB 6; Length 26; Best Local Similarity 100.0%; Pred. No. 1e+05; Matches 12; Conservative 0; Mismatches 0; Indels
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Query Match

Query Match

Query Matches 12; DB 6; Length 26;

Matches 12; Conservative 0; Mismatches 0; Indels
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Sequence 23 from patent US 5776679.
ARO16055.1 GI:3972332
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AR028786 AR028786.1 GI:5940759
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/organism="unknown"
7 a 3 c 9 g
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/organism="unknown"
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 Query Match
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 Score 12;
 DB 6;
 Length 26;

 Best Local Similarity 100.0%;
 Pred. No. 18+05;

 Matches 12;
 Conservative 0;
 Mismatches 0;
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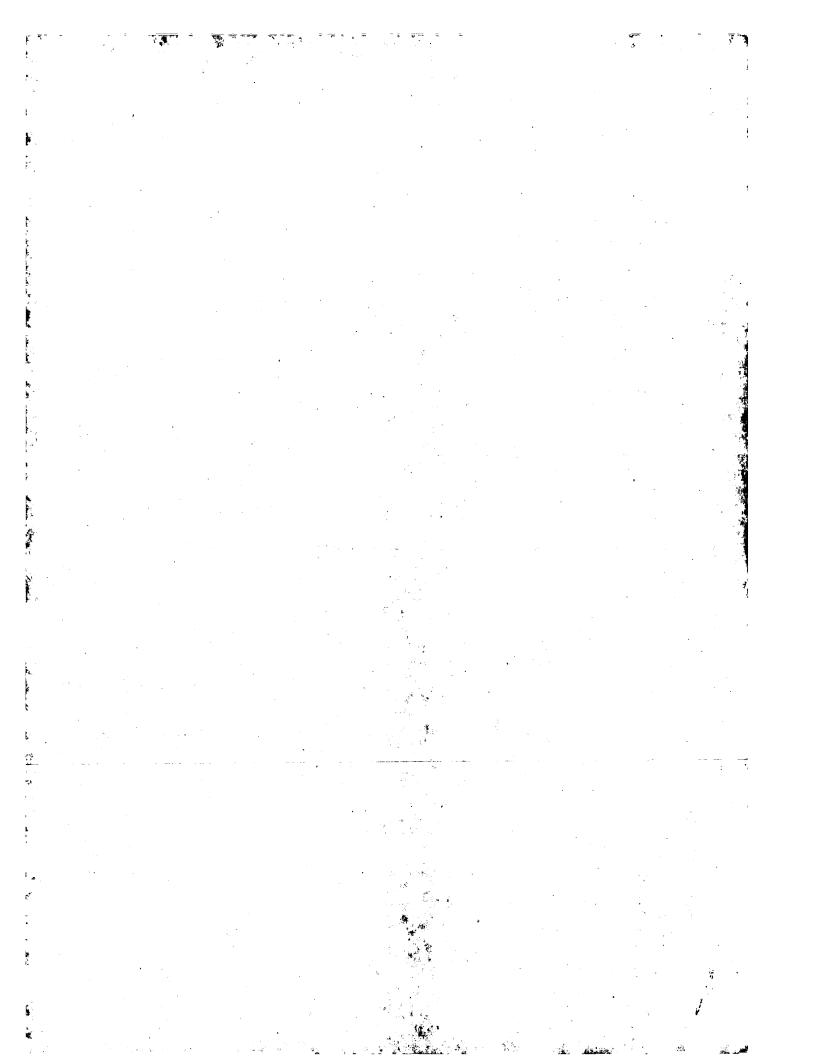
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 Db
 1 GTTTGCTCTAGA 12

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0; Gaps

Search completed: June 23, 2003, 06:34:25 Job time: 234.051 secs



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Query Match 100.
Best Local Similarity 100.
Matches 17; Conservative
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Sequence 1616, A
Sequence 133744,
Sequence 834500,
Sequence 193942,
Sequence 599012,
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Sequence 18526, A
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Sequence 7843, Ap
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Sequence 27, Appl
Sequence 681796,
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Sequence 10, Appl
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1: /cgn2_6/ptodata/1/pna/US06_NEW_COMB.seq:*

2: /cgn2_6/ptodata/1/pna/US06_NEW_COMB.seq:*

3: /cgn2_6/ptodata/1/pna/US06_NEW_COMB.seq:*

4: /cgn2_6/ptodata/1/pna/US08_NEW_COMB.seq:*

5: /cgn2_6/ptodata/1/pna/US08_NEW_COMB.seq:*

6: /cgn2_6/ptodata/1/pna/US08_NEW_COMB.seq:*

7: /cgn2_6/ptodata/1/pna/US09_NEW_COMB.seq2:*

7: /cgn2_6/ptodata/1/pna/US10_NEW_COMB.seq2:*

9: /cgn2_6/ptodata/1/pna/US10_NEW_COMB.seq2:*

10: /cgn2_6/ptodata/1/pna/US10_NEW_COMB.seq3:*

11: /cgn2_6/ptodata/1/pna/US10_NEW_COMB.seq2:*

12: /cgn2_6/ptodata/1/pna/US10_NEW_COMB.seq3:*

12: /cgn2_6/ptodata/1/pna/US10_NEW_COMB.seq3:*

13: /cgn2_6/ptodata/1/pna/US60_NEW_COMB.seq3:*

13: /cgn2_6/ptodata/1/pna/US60_NEW_COMB.seq3:*
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Copyright (c) 1993 - 2003 Compugen Ltd.
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US-60-427-808-681796

US-60-427-808-148950

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US-60-427-808-15244

US-60-427-808-153744

US-60-427-808-153742

US-60-427-808-153742

US-60-427-808-153742

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US-10-287-787-16506
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US-10-330-872-4
US-10-330-872A-4
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                                                                                                                                                                                                                                                                                                                                                                                                  7860393 segs, 3496198572 residues
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No.
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| | Sequence 5556, Ap | Sequence 7849, Ap | Sequence 14135, A | 57644, | Sequence 1993, Ap | Sequence 1994, Ap | Seguence 39627, A | Sequence 23414, A | Sequence 23415, A | Sequence 12803, A | Sequence 467694, | Sequence 391360, | Sequence 421414, | Sequence 455025, | Sequence 12804, A | Sequence 62469, A | Sequence 404464, | Sequence 700065, | Sequence 23365, A | Sequence 182757, | Sequence 249883, | Sequence 273706, | Sequence 382705, | Sequence 496697, | Sequence 518595, | |
|---|--------------------|--------------------|---------------------|---------------------|-----------------------|------------------------|---------------------|------------------------|-----------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|-----------------------|---------------------|----------------------|----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--|
| • | US-10-310-188-5556 | US-10-303-778-7849 | US-10-310-188-14135 | US-10-310-188-57644 | 0 US-10-299-054A-1993 | .0 US-10-299-054A-1994 | US-10-310-188-39627 | .0 US-10-287-787-23414 | 0 US-10-287-787-23415 | .0 US-10-287-787-12803 | 2 US-60-427-808-467694 | .2 US-60-427-836-391360 | 2 US-60-427-836-421414 | 2 US-60-427-836-455025 | 0 US-10-287-787-12804 | US-10-310-188-62469 | US-10-355-577-404464 | US-10-355-577-700065 | 2 US-60-427-808-23365 | 2 US-60-427-808-182757 | 2 US-60-427-808-249883 | 2 US-60-427-808-273706 | 2 US-60-427-808-382705 | 2 US-60-427-808-496697 | 2 US-60-427-808-518595 | |
| | 16 9 | 17 9 | 17 9 | 17 9 | 17 1 | 17 1 | 18 9 | 18 1 | 18 1 | 24 1 | 25 1 | 25 1 | 25 1 | 25 1 | 39 1 | 23 9 | 25 9 | 25 9 | 25 1 | 25 1 | 25 1 | 25 1 | 25 1 | 25 1 | 25 1 | |
| | 13 76.5 | 13 76.5 | 13 76.5 | 13 76.5 | 13 76.5 | 13 76.5 | 13 76.5 | 13 76.5 | 13 76.5 | 13 76.5 | 13 76.5 | 13 76.5 | 13 76.5 | 13 76.5 | 13 76.5 | | | | 12.8 75.3 | | 12.8 75.3 | | 7 | 7 | 12.8 75.3 | |
| | c 21 | . 55 | 23 | 24 | c 25 | c 26 | 27 | c 28 | c 53 | c 30 | 31 | 32 | 33 | 34 | c 35 | 36 | 37 | 38 | c 39 | 40 | c 41 | c 45 | 43 | 44 | c 45 | |

ALIGNMENTS

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Sequence 16, Application PC/TUS0304088
GENERAL INPORMATION:
REPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leonid
TITLE OF INVERTION: RAY Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVERTION: RAY Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVERTION: RAY Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVERTION: RAY Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVERTION: RAY Interference Mediated Inhibition of Telomerase Gene
TITLE OF INVERTION: RAY INTERFERENCE: 202-04-28
CURRENT APPLICATION NUMBER: US 60/386,600
PRIOR PILING DATE: 2002-03-1
PRIOR FILING DATE: 2002-03-1
PRIOR FILING DATE: 2002-03-1
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PELING DATE: 2002-09-05
PRIOR FILING DATE: 2003-01-15
PRIOR APPLICATION NUMBER: US 60/400,738
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2002-09-05
PRIOR FILING DATE: 2003-01-15
PRIOR FILING DATE: 2003-01-15
PRIOR FILING DATE: 2003-01-15
PRIOR FILING DATE: 2003-01-15
PRIOR PILING DATE: 2003-01-15
PRIOR PI
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Gaps

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100.0%; Score 17; DB 1; Length 19; 100.0%; Pred. No. 1.7e+02; ive 0; Mismatches 0; Indels

Gaps

0; Indels

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US-10-3;0-8/2A-4

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Geron Corporation
APPLICANT: Geron Corporation
APPLICANT: Meintich, Scott
APPLICANT: Arkinson III, Edward
APPLICANT: Lichteteiner, Serge
APPLICANT: Der INVENTION: Unit generate to Identify Telomerase Activators and
ITLE OF INVENTION: Unit Serge
APPLICANTON: Unit Serge
APPLICANTON: Unit Serge
APPLICANTON: Unit Serge
APPLICANTON: UNIVER: US/10/330,872A
CURRENT FILING DATE: 2002-12-24
FRIOR FILING DATE: 1995-08-04
FRIOR FILING DATE: 1995-04-04
FRIOR APPLICANTON NUMBER: 08/833,377
FRIOR APPLICANTON NUMBER: 09/420,056
FRIOR APPLICANTON NUMBER: 09/420,056
FRIOR APPLICANTON NUMBER: 09/417,828
FRIOR FILING DATE: 2000-11-20
FRIOR FILING DATE: 2000-11-20
FRIOR APPLICANTON NUMBER: 09/17,828
FRIOR FILING DATE: 2000-11-3
FRIOR APPLICANTON NUMBER: 09/17,828
FRIOR FILING DATE: 2000-11-3
FRIOR FILING DATE: 2000-11-3
FRIOR FILING DATE: 2000-11-3
FRIOR FILING DATE: 2000-11-3
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Best Local Similarity 100.0%; Pred. No
Matches 17; Conservative 0; Mismatch
                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 4, Application US/10330872 GENERAL INFORMATION:
                                                                                          1 CGGGCCAGCAGCTGACA 17
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17; Conservative
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; ORGANISM: Homo sapiens
US-10-330-872-4
Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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Pred. No. 1.7e+02;
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GENERAL INFORMATION:
APPLICANT: University of Rochester Medical Center;
APPLICANT: Rowley, Peter
TITLE OF INVENTION: Telomerase Interference
FILE REFERENCE: FP-71506-2/RFT/SRN
CURRENT APPLICATION NUMBER: PCT/US02/33146
CURRENT FILING DATE: 2002-12-05
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn version 3.1
SOFTWARE: PatentIn version 3.1
LENGTH: 22
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; ORGANISM: Homo gapien8
PCT-US02-33146-10
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ORGANISM: Artificial
                                                                                                                                                                                                                                                                              -US03-04088-280
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PCT-US02-33146-10
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84.7%;
93.8%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    24 GGCCAGCAGCTCACA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 CGGGCCAGCAGCTG 14
                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 93.8
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14; Conservative
                                                                                                                                                                                                                                                                              TYPE: DNA
CORGANISM: Mus musculus
US-60-427-808-681796
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA ORGANISM: Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
                                 RESULT 7
US-60-427-808-681796/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 148950
LENGTH: 25
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                                                                                        Length 30;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 9411-3834

COMPUTER READABLE FORM:
MEDIUM TYBE: Flogby disk
COMPUTER: 1BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION NUMBER: US/10/359,935
FILING DATE: 07-Feb-2003
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 15; DB 9; Length 25;
Pred. No. 1.6e+03;
                                                                                                                           Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Bighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000821US
                                                                                      Query Match

100.0%; Score 17; DB 10;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 17; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/057,351
FILING DATE: 08-APP-1994
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
APPLICATION NUMBER: US 08/472,802
FILING DATE: 07-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                      Andrews, William H.
FITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 27:
US-10-359-935-27
                                                                                                                                                                                                                                                                                                                                   APPLICANT: Villeponteau, Bryant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                Sequence 27, Application US/10359935 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     88.2%; Scallarity 100.0%; Processorative 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 25 base pairs
                                                                                                                                                                                      CGGGCCAGCTGACA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                1 CGGGCCAGCAGCTGACA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO: 27
                                                                                                                                                                                                                                                                                                                                                        Feng, Junli
Funk, Walter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3 GGCCAGCAGCTGACA 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OPOLOGY: linear
LE TYPE: DNA
             TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
Matches 15; Conserv
                                                    US-10-330-872A-4
                                                                                                                                                                                                                                                                              -10-359-935-27
LENGTH: 30
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                                                                                                                                                                                                                                                                                                                                                                             Length 25;
Sequence 681996, Application US/60427808
GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528
CURRENT APPLICATION WUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: McTocarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 681796
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REPERBUCE: 3528
CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 14; DB 6; Length 24;
Pred. No. 5e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: BEGER, CARMELA
APPLICANT: BARBER, JACK
APPLICANT: BARBER, JACK
APPLICANT: WONG-STAAL, FLOSSIE
TITLE OF INVENTION: BRCA-1 REGULATORS AND METHODS OF USE
FILE REFERENCE: 039316/0601
CURRENT FILING DATE: 2000-03-23
NUMBER OF SEQ ID NOS: 236
SSCTWARE: Patentin Ver: 2.1
SEQ ID NO 52
LENGTH: 24
                                                                                                                                                                                                                                                                                                                                                                        Score 14.4; DB 12;
Pred. No. 3.2e+03;
0; Mismatches 1;
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US-60-427-808-148950
; Sequence 148950, Application US/60427808
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-536-058D-52/c; Sequence 52, Application US/09536058D; GENERAL INFORMATION:
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100.0%; Pr
tive 0;
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Gaps

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US-60-427-808-153744

Sequence 153744, Application US/60427808

SEQUENCE INFORMATION:

APPLICANT: Vac Mei Zhou

TILE REFERENCE: 3528

CURRENT APPLICATION NUMBER: US/60/427,808

CURRENT FILING DATE: 2002-11-20

NUMBER OF SEQ ID NOS: 982914

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 153744

LENGTH: 25744

LENGTH: 25744
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US-60-427-808-16616
Sequence 16616, Application US/60427808
GENERAL INFORMATION:
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REPERRNCE: 3528
CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 16616
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ouery Match
78.8%; Score 13.4; DB 12; Length 25;
Best Local Similarity 93.3%; Pred. No. 9.8e+03;
Matches 14; Conservative 0; Mismatches 1; Indels (
                                                                                                                                                                S-60-427-808-12244/C
Sequence 12244, Application US/60427808
GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION:
FILE REPERENCE: 328
CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT OF DE US 982914
SEQ ID NOS: 982914
SEQ ID NO 12244
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  1; Indels
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78.8%; Score 13.4; DB 12.
Best Local Similarity 93.3%; Pred. No. 9.8e+03;
Matches 14; Conservative 0; Mismatches 1.
  0; Mismatches
                                          2 GGGCCAGCAGCTGAC 16
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                                                                            21 GGACAGCAGCTGAC 7
  14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
CORGANISM: Mus musculus
US-60-427-808-12244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; TYPE: DNA
; ORGANISM: Mus musculus
US-60-427-808-16616
  Matches
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TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL
FILLS OF INVENTION: 47416
CURRENT PEDLICATION NUMBER: US/10/303,778
CURRENT FILLING DATE: 2002-11-26
NUMBER OF SEQ ID NOS: 17608
SOFTWARE: Patentin version 3.1
SEQ ID NO 7843
LENGTH: 22
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TION: (25)...(26)
7 INFORMATION: Nucleotide deleted between bases 25 and 26
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81.2%; Score 13.8; DB 5; Length 50;
Best Local Similarity 88.2%; Pred. No. 6.5e+03;
Matches 15; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                78.8%; Score 13.4; DB 9; Length 22; 93.3%; Pred. No. 9.7e+03;
                                          82.4%; Score 14; DB 12; Length 25; 100.0%; Pred. No. 5e+03; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: allele
LOCATION: (26)...(0)
OTHER INFORMATION: single nucleotide polymorphism
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; LOCATION; (0)...(0)
...OTHER INFORMATION: Accession number cg43987514
US-09-749-280B-6883
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-303-778-7843/c
; Sequence 7843, Application US/10303778
; GENERAL INFORMATION:
                                                                                                                           1 CGGGCCAGCAGCTG 14
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                                     Query Match
Best Local Similarity 100.
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-303-778-7843
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Best Local Similarity
US-60-427-808-148950
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                                                                         Query Match 78.8%; Score 13.4; DB 12; Length 25; Best Local Similarity 93.3%; Pred. No. 9.8e+03; Matches 14; Conservative 0; Mismatches 1; Indels (
                                                                                                                                                                                                                                                                                                                                     US-60-427-808-834500/c

Sequence 834500, Application US/60427808

GENERAL INFORMATION:

APPLICANT: Xue Mei Zhou

TITLE OF INVENTION: Methods of Genetic Analysis of Mouse

FILE REFERENCE: 35.28

CURRENT APPLICATION UNDER: US/60/427,808

CURRENT FILING DATE: 2002-11-20

NUMBER OF SEQ ID NOS: 982914

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 834500

LENGTH: 25
                                                                                                                                                                                    3 GGCCAGCAGCTGACA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TYPE: DNA
; ORGANISM: Mus musculus
US-60-427-808-834500
; ORGANISM: Mus musculus
US-60-427-808-153744
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Search completed: June 26, 2003, 04:15:23 Job time : 407.411 secs

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COMB.seq: *

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/pna/US6011_COMB.

ptodata/2/pna/US6007_COMB. ptodata/2/pna/US6008_COMB. ptodata/2/pna/US6009_COMB. ptodata/2/pna/US6010_COMB.

COMB.seq:*

ptodata/2/pna/US6021

COMB.

COMB. seq:

/pna/US6025

pna/US6024_COMB.

otodata/2/

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COMB. COMB. COMB.

COMB

otodata/2/pna/US6027

ptodata/2/

COMB.

pna/US6031

pna/US6018_COMB.seq:

pna/US6019_COMB.

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otodata/2/pna/US6016_ otodata/2/pna/US6017_

Run on:

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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Match
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                                                                                                                                                                                       June 24, 2003, 22:19:40 ; Search time 1442.49 Seconds (without alignments) 296.308 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             'Cgn2_6'ptodata/2'pna/PCTUS COMB. seq:*
'Cgn2_6'ptodata/2'pna/USO6_COMB. seq:*
'Cgn2_6'ptodata/2'pna/USO6_COMB. seq:*
'Cgn2_6'ptodata/2'pna/USO8_COMB. seq:*
'Cgn2_6'ptodata/2'pna/USO9_COMB. seq:*
'Cgn2_6'ptodata/2
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/cgn2_6/ptodata/2/pna/US102A_COMB.seq
/cgn2_6/ptodata/2/pna/US102B_COMB.seq
GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   24791104 seqs, 12571243825 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     utents_NA_Main:*/ptodata/2/pna/PCTUS_C/ptodata/2/pna/US06_CO/ptodata/2/pna/US07_CO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                - nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
                                                                                                                                                                                                                                                                                                                           US-08-770-564A-14
17
1 CGGCCAGCAGCTGACA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Minimum DB seq length: 0 Maximum DB seq length: 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Scoring table:
                                                                                                                                                                                                                                                                                                                                  Title:
Perfect score:
                                                                                                                            OM nucleic
                                                                                                                                                                                                                                                                                                                                                                                                    Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Searched:
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Database

ptodata/2/pna/US6036_COMB.seq:

otodata/2/ ptodata/2/ ptodata/2/ Sequence 47051,

Sequence Sequence 3 Sequence Sequence

Sequence Sequence

Seguence

Sequence 27,

US-08-510-736-4 B US-09-717-828A-4 B US-09-717-828B-4 B US-09-717-828B-4 B US-08-717-828B-4 US-08-472-802B-27 US-08-472-802B-27 US-08-472-802B-27 US-08-472-802B-27 US-08-521-634-44 1 US-09-057-351-27 1 US-09-057-351-27 US-09-396-196F-47051 US-09-316-058C-52 US-09-536-058C-52 US-09-536-058C-52 US-09-536-058C-52 US-09-556-584-40691 US-09-956-584-40691 US-09-956-584-40691 US-09-956-584-40691 US-09-956-584-40691 US-09-956-584-40691 US-09-956-584-40691 US-09-956-584-40691 US-09-956-584-40691 US-09-956-584-40691 US-09-956-196F-33812

228 228 228 88 88 117 117 36 36 36

Sequence 4, Sequence 4, Sequence 27, Sequence 27, Sequence 26, Sequence 26,

Sequence 14, P Sequence 20, A Sequence 4, App

Description

SUMMARIES

```
RESULT 2

US-08-710-564A-14

SQUENCE 14, Application US/08770564A

SQUENCE 14, Application US/08770564A

SQUENCE 1 NPCRMATON:

APPLICANT: Fraley, James T.

APPLICANT: Puzan, Ron

TITLE OF INVENTION: Inhibitory Polynucleotides Directed

TITLE OF INVENTION: Against the RNA Component of Telomerase

NUMBER OF SEQUENCES: 15

SOURESPONDENCE ADDRESS:

ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP

STREET: TWO Embarcadero Center, 8th Floor

CITY: San Prancisco

CITY: San Prancisco

COUNTRY: USA

ZIP: 94111

COMPUTER: IBM PC compatible

COMPUTER: BEN PC compatible

COMPUTER: PC-056/MS-DOS

SOFTWARE: PC-056/MS-DOS

SOFTWARE: PC-056/MS-DOS

CLASSIFICATION NUMBER: US/08/770,564A

ATTORNEY/AGENT INFORMATION:

ATTORNEY/AGENT INFORMATION:

ATTORNEY/AGENT INFORMATION:

TELEPRONE: 415-576-0200

INPORMATION FOR EDO IN 09:

SEQUENCE CHARACTERISTICS:

LENGTH: 11 base pairs

TYPE: nucleic acid

STREET HORSES: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 100.0%; Score 17; DB 1; Length 17 Best Local Similarity 100.0%; Pred. No. 5.9e+02; Matches 17; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                  TOPOLOGY: linear
MOLECULE TYPE: DNA
FEATURE:
NAME/KEY: -
LOCATION: 1...17
CTHER INFORMATION: /note= "polynucleotide RP2"
PCT-US97-23619-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 CGGGCCAGCAGCTGACA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 ceeeccaecaecreaca 17
                                                                    TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-770-564A-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 3
US-09-601-267-20
                    LENGTH:
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          Sequence 33812, A Sequence 107046, Sequence 18, Appl Sequence 2894, Appl Sequence 2894, Appl Sequence 2894, Appl Sequence 58545, A Sequence 58545, A Sequence 58545, A Sequence 294, Appl Sequence 294, Appl Sequence 40137, A Sequence 40155, A Sequence 40157, A Seque
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 1

PCT-US97-23619-14

PCT-US97-23619-14

Sequence 14, Application PC/TUS9723619

GENERAL INFORMATION:

APPLICANT:
APPLICANTON:
APPLICANTON:
AUXHERSEE: TWO EMBARCAGE'S 29
CORRESPONDENCE ADDRESS: 29
CORRESPONDENCE ADDRESS: 29
CORRESPONDENCE ADDRESS: 20
CONFUTER: San Francisco
CITY: San Francisco
CITY: San Francisco
CITY: San Francisco
CONFUTER: LOS MASCO
CONFUTER: PLOPAY disk
COMPUTER: PLOPAY NOWER: US 08/770,564
FILING DATE: 20-DEC-1996
ATTORNEY/AGRY INPRER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY/AGRY INPRER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY/AGRY INPRER: 1576-0300
TELEPONE: ALS 576-0300
TELEPONE: (415) 576-0300
TELEPONE: (
7 US-09-396-196G-13812

7 US-09-396-196G-107046

PCT-US01-21880-18

1 US-09-815-171A-18

1 US-09-815-171A-18

1 US-09-815-171A-18

1 US-09-815-171A-18

1 US-09-316-254-25

1 US-09-396-196G-64639

1 US-08-396-196G-64639

1 US-08-397-424-3647

1 US-09-397-424-3647

1 US-09-397-424-3647

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1 US-09-397-604-0139

1 US-09-956-604-40139

1 US-09-956-604-40139
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Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 30;
     Query Match 100.0%; Score 17; DB 9; Length 30; Best Local Similarity 100.0%; Pred. No. 6.1e+02; Matches 17; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Withinith, Scott L
APPLICANT: Atkinson III, Edward M
APPLICANT: Lichtsteiner, Serge P
APPLICANT: Lichtsteiner, Serge P
APPLICANT: Lichtsteiner, Serge P
APPLICANT: Lichtsteiner, Serge P
APPLICANT: Pruzan, Ronald A
TITLE OF INVENTION: A Method for Purifying Telomerase
FILE REFERENCE: PurifiedTelomeraseOlibase
CURRENT APPLICATION NUMBER: US/09/717, 828B
CURRENT FILING DATE: 1999-10-18
PRIOR APPLICATION NUMBER: 09/420,056
PRIOR FILING DATE: 1999-10-40
PRIOR FILING DATE: 1999-04-04
PRIOR FILING DATE: 1999-08-04
PRIOR FILING DATE: 1995-08-04
NUMBER: OF SEG DID NOS: 11
SCOFFWARE: PATENTIN VET. 2.1 edited
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 17; DB 28; 100.0%; Pred. No. 6.1e+02;
                                                                                                                                                                                                                                                                                                                                 APPLICANT: Weinrich, Scott L.
APPLICANT: Atkinson III, Edward M.
APPLICANT: Lichtsteiner, Serge P.
APPLICANT: Unichtsteiner, Serge P.
APPLICANT: Unichtsteiner, Allain P.
APPLICANT: Pruzan, Ronald A.
TITLE OF INVENTION: Purified Telomerase
FILE REFERENCE: PurifiedTelomerase011base
CURRENT APPLICATION NUMBER: US/09/717, 828A.
CURRENT FILING DATE: 2000-11-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: 09/420, 056
PRIOR PILING DATE: 1999-10-18
PRIOR PELING DATE: 1999-10-18
PRIOR PILING DATE: 1999-04-04
PRIOR PILING DATE: 1995-04-04
PRIOR PILING DATE: 1995-08-04
NUMBER: OF SEQ ID NOS: 11
SOFTWARE: Patentin Ver: 2.1 (edited)
SEQ ID NO 4
LENGTH: 30
                                                                                                                                                                                                                                                          US-09-717-828A-4; Sequence 4, Application US/09717828A; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 4, Application US/09717828B GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.1
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: misc_feature
LOCATION: (1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FEATURE:
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                                          APPLICANT: William Nicol KEITH
TITLE OF INVENTION: Promoter Regions of the Mouse and Human Telomerase RNA Component
FILE REFERENCE: 9013.18
CURRENT PPELICATION NUMBER: US/09/601,267
CURRENT FILING DATE: 1999-01-29
PRIOR PLING DATE: 1999-01-29
PRIOR PLING DATE: 1999-01-29
PRIOR FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 86
SEQ ID NOS: 86
SEQ ID NOS: 86
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE:
, OTHER INFORMATION: Description of Artificial Sequence: Primer US-09-601-267-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 100.0%; Score 17; DB 23; Length 25; Best Local Similarity 100.0%; Pred. No. 6e+02; Matches 17; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET: One Market Plaza, Steuart Tower, Suite 2000 CITY: San Prancisco STATE: California
COUNTRY: USA
COUNTRY: USA
PPUTED: 94105
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Weinrich, Scott L.
APPLICANT: Aktinson III, Edward M.
APPLICANT: Lichtsteiner, Serge
APPLICANT: Vasserot, Alain P.
APPLICANT: Pruzan, Ronald A.
TITLE OF INVENTION: Methods for Purifying Telomerase NUMBER OF SEQUENCES: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/510,736
FILING DATE: 04-AUG-1995
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 015389-001100
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
Application US/09601267
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 4, Application US/08510736 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 CGGGCCAGCAGCTGACA 17
                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INPORMATION FOR SEQ ID NO: 4
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-510-736-4
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California
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                                                     ; FEATURE:
; NAME/KEX: misc_feature
; LOCATION: (1)
; OTHER INFORMATION: Biotin 5'-terminal
; OTHER INFORMATION: Description of Artificial Sequence: Affinity Agent
US-09-717-8288-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FEATURE:
NAME/KEY: misc_feature
LOCATION: (0.007)
COCATION: (0.1)
COTHER INFORMATION: Description of Artificial Sequence: Affinity Agent
US-09-717-829A-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 100.0%; Score 17; DB 28; Length 30; Best Local Similarity 100.0%; Pred. No. 6.1e+02; Matches 17; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                     Query Match
100.0%; Score 17; DB 28; Length 30;
Best Local Similarity 100.0%; Pred. No. 6.1e+02;
Matches 17; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 JAPPLICANT: Macharich, Scott L

APPLICANT: Atkinson III, Edward M
APPLICANT: Pruzani, Ronald A
ITITLE OF INVENTION: A Method for Purifying Telomerase
ITITLE DATE: 1000-11-20
PRIOR PELLING DATE: 1999-10-18
PRIOR FILING DATE: 1999-10-18
PRIOR FILING DATE: 1995-08-04
PRIOR FILING DATE: 1995-08-04
PRIOR FILING DATE: 1995-08-04
PRIOR FILING DATE: 1995-08-04
PRIOR FILING DATE: 1995-10-18
SEQ ID NO 4
IENGTH: 30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 4, Application US/09717829A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                   1 CGGCCAGCAGCTGACA 17
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TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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Gaps
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                                      Length 25;
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                                                                               Indels
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One Market Plaza, Steuart Tower, Suite 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: F10py disk
MEDIUM TYPE: F10py disk
MEDIUM TYPE: F10py disk
MEDIUM TYPE: F10py disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
SUGTWARE: PAPLICATION DATA:
APPLICATION NUMBER: US/08/521,634
FILING DATE: 31-AUG-1995
RIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/482,115
FILING DATE: 7-UN-1995
RROR APPLICATION NUMBER: US 08/330,123
FILING DATA: T-UN-1995
RROR APPLICATION NUMBER: US 08/330,123
FILING DATA: T-UN-1995
RROR APPLICATION NUMBER: US 08/272,102
FILING DATA: T-UN-1994
APPLICATION NUMBER: 15389-000850
TELERPHONE: A15-35-2400
                                    DB 8; Le
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                88.2%; Score 15; DB 9; L. 100.0%; Pred. No. 5.7e+03;
                                                                                                                                                                                                                                                                                                                               APPLICANT: Villeponteau, Bryant
APPLICANT: Peng, Junli
APPLICANT: Peng, Junli
APPLICANT: Andrews, William
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
ADDRESSE: Townsend and Crew
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                           RESULT 11
US-08-521-634-44
US-08-521-634-44
Sequence 44, Application US/08521634
GENERAL INFORMATION:
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100.08; FL
                                 Query Match

Best Local Similarity 100.0%; P.
Matches 15; Conservative 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 25 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: ONE MALACE
CITY: San Francisco
cmarg: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 15; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRANDEDNESS
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US-08-521-634-44
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SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/482,115A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/22,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 15389-000830
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: VILLEPONTEAU, Bryant
APPLICANT: VILLEPONTEAU, Bryant
APPLICANT: FENG, Juni
APPLICANT: ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LI
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                      88.2%; Scc.
100.0%; Pred. No. ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 94111
COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Palace
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 26, Application US/08482115A GENERAL INFORMATION:
FILING DATE: 27-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: Smith, william M.
REGISTRATION UNMERE: 30,223
REFERENCE/DOCKET NUMBER: 1538:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0200
TELEFAX: (415) 576-0200
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 25 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEPHONE: (415) 326-2400
TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3 GGCCAGCAGCTGACA 17
                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 100.0
Matches 15; Conservative
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                              linear
                                                                                                                                                                                                                                                                                                                               ; MOLECULE TYPE:
US-08-472-802B-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-482-115A-26
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FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: synthetic
OTHER INFORMATION: primer
US-09-536-058-52
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Best Local Similarity 93.8%; Pred. No. 1.18+04;
Matches 15; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                     Length 25;
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                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
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                                                                                                                                                                                                                                                                                                                                         Query Match

84.7%; Score 14.4; DB 17;

Best Local Similarity 93.8%; Pred. No. 1.1e+04;

Matches 15; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION
GENERAL INFORMATION
GENERAL INFORMATION
APPLICANT: David Mack
APPLICANT: David Mack
APPLICANT: Affymetrix, Inc.
TILLE OF INVENTION: Methods of Genetic Analysis
TILLE OF INVENTION: Methods of Genetic Analysis
TILLE OF INVENTION: Methods of Genetic Analysis
CURRENT APPLICATION: MUMBER: US/09/396,196G
CURRENT PELLING DATE: 1998-09-17
FRIOR PILING DATE: 1998-09-17
NUMBER: OF SEQ ID NOS: 127806
SOFTWARE: FaetSEQ for Windows Version 4.0
SEQ ID NO 47051
LENGTH: 25
TYPE: DNA
GRGANISM: mus musculus
US-09-396-196G-47051
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SOFWARE: FRRESQ for Windows Version 4.0
ERO ID NO 47051
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 14
US-09-396-196G-47051/c
; Sequence 47051, Application US/09396196G
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    24 GGGCCAGCAGCTCACA 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      24 GGGCCAGCAGCTCACA 9
                                                                                                                                                                                                               ; TYPE: DNA
; ORGANISM: mus musculus
US-09-396-196F-47051
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-536-058-52/c
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                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Villeponetau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Feng, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Two Embarcadero Center, Eighth Floor
STREET: Two Embarcadero Center, Eighth Floor
STREET: Two Embarcadero Center, Eighth Floor
STATE: Galifornia
COUNTRY: USA
ZIF: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
STATE: 08-APR: 105-7351
FILING DATE: 08-APR: 1994
CLASSIFCATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION NUMBER: US 08/330,123
ATTORNEY, AGENT INFORMATION:
APPLICATION NUMBER: US 08/472,802
FILING DATE: 07-JUN-1995
ATTORNEY, AGENT INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0200
TELEFAX: (415) 576-0200
TELEFAX: (415) 576-0200
TELEFAX: (415) 576-0200
TURPORMATION FOR SEQ ID NO: 27: SEQUENCE CHARACTERISTICS:
LENGTH: 25 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-396-196F-47051/C
Sequence 47051, Application US/09396196F
GENERAL INFORMATION:
APPLICANT: Michael Mittmann
APPLICANT: David Mack
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/09/396,196F
CURRENT APPLICATION NUMBER: US/09/396,196F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ore 15; DB 14; I
red. No. 5.7e+03;
Mismatches 0;
                                                                                                         Sequence 27, Application US/09057351 GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-09-057-351-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                δ
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Best Local Similarity 100.0%; Pred. No. 1.8e+04; Matches 14; Conservative 0; Mismatches 0; Indels 1 CGGGCCAGCAGCTG 14 |||||||||||||| 23 CGGGCCAGCAGCTG 10 Op ઠે

Search completed: June 25, 2003, 06:20:30 Job time: 1444.11 secs

Sequence 168, App Sequence 148, App Sequence 275, App Sequence 275, App Sequence 704, App Sequence 4670, App Sequence 39, Appl Sequence 311, Appl Sequence 3161, Appl Sequence 3161, Appl

US-09-848-754A-7985
US-09-848-754A-229
US-09-944-622-168
US-10-044-692-168
US-10-044-692-168
US-10-044-692-168
US-10-044-692-168
US-09-915-814-148
US-09-940-185-704
US-09-940-185-704
US-09-940-185-4670
US-09-940-185-4670
US-09-940-185-4670
US-09-957-483-33
US-09-957-283-36

Sequence

Sequence 1278, Apsequence 177, App Sequence 417, App Sequence 75, Appl Sequence 82, Appl Sequence 89, Appl Sequence 82, Appl Sequence 89, Appl Sequence 101, App Sequence 17, Appl

Sequence 9, Appl: Sequence 8, Appli Sequence 62, App.

US-09-822-698A-62

ALIGNMENTS

US-09-925-922-8

Appli

Sequence 1826, Sequence

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COMPUTER READBALE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: Two Embarcadero Center, Eighth Floor CTIY: As Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: PETENTIN RELEASE #1.0, Version #1.

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/057,351
FILING DATE: 08-APR-1994
CLASSIFICATION A35
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-U1-1994
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/472,802
FILING DATE: 07-UN-1995
ATTORNEY AGENT INFORMATION:
AAPLICATION NUMBER: US 08/472,802
FILING DATE: 07-UN-1995
ATTORNEY AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 015389-000821US
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 27, Application US/09057351
Patent No. US20010034439A1
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junil
APPLICANT: Fank, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STATE: California
COUNTRY: USA
ZIP: 94111-3834
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-057-351-27
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Sequence 1, Appli
Sequence 1, Appli
Sequence 1, Appli
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Sequence 2064, Ap
Sequence 184, App
Sequence 2661, Ap
Sequence 2713, Ap
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Sequence 18, Appl
Sequence 1, Appli
Sequence 1, Appli
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Sequence 37688, A
Sequence 38944, A
Sequence 30, Appl
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Sequence 1, Appli
                                                                                                                                                                               June 25, 2003, 13:28:54; Search time 51.6773 Seconds (without alignments) 482.732 Million cell updates/sec
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1: \cgn2 \( \) \cgn2 \( \) \( \) \( \) \cgn2 \( \) \( \) \cgn2 \( \) \cgn2 \( \) \( \) \cgn2 \( \) \cgn2 \( \) \( \) \( \) \cgn2 \( \
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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US-09-943-722-9

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US-10-215-112-2064
US-09-912-263-184
US-09-930-423-2661
US-09-930-423-261
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US-09-815-171A-18
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US-10-175-268-1
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Maximum Match 100%
Listing first 45 summaries
                                                                                                                      OM nucleic - nucleic search, using sw model
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Gapop 10.0 , Gapext 1.0
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17
1 CGGGCCAGCAGCTGACA 17
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Query
Match Length D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Minimum DB seq length: 0 Maximum DB seq length: 50
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                                                                                                                                                                                                                                                                                                               Title:
Perfect score:
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                                                                                                                                                                                                                                                                                                                                                                                 Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Searched:
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                                                                                                                                                                                            Run on:
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TYPE: DNA
ORGANISM: Human
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Patent No. US20020064780A1

GENERAL INFORMATION:

APPLICANT: 3clot, Larry

APPLICANT: 3clot, Dominic

APPLICANT: Schneider, Dominic

APPLICANT: Schneider, Daniel J

TITLE OF INVENTION: Nucleic Acid Ligands

FILE REPRENCE: SML.03

CURRENT APPLICATION NUMBER: US/09/815,171A

FILE OF INVENTION NUMBER: US/09/815,171A

FILE OF INVENTION NUMBER: 09/616,284

PRIOR APPLICATION NUMBER: 09/516,284

PRIOR APPLICATION NUMBER: 09/32,946

PRIOR APPLICATION NUMBER: 09/32,946

PRIOR APPLICATION NUMBER: 09/132,946

PRIOR PRIOR DATE: 1999-01-19

PRIOR PLING DATE: 1999-01-19

PRIOR FILING DATE: 1999-01-19

PRIOR FILING DATE: 1999-06-06

PRIOR FILING DATE: 1999-06-06

PRIOR FILING DATE: 1999-06-06

PRIOR PRIOR PRILING DATE: 1999-06-06

PRIOR PRILING DATE: 1999-06-01

PRIOR PLING DATE: 1999-06-01

PRIOR PRILING DATE: 1999-06-01

PRIOR PRILING DATE: 1990-06-01

NUMBER OF SEQ ID NOWBER: 07/714,131

PRIOR PLING DATE: 1990-06-01

NUMBER OF SEQ ID NOS: 32

SOFTWARE: PARCENTIN VERS: 2000-06-06

SEQ ID NO 18

LENGTH: 26

LENGTH: 26

LENGTH: 26

LENGTH: 26
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ORGANISM: Artificial Sequence

FRATUME:

OTHER INFORMATION: Description of Artificial Sequence: Synthetic

CHER INFORMATION: Sequence

US-09-815-171A-18
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                                                                                                                                                                                                                                                              Query Match 88.2%; Score 15; DB 10; Length 25; Best Local Similarity 100.0%; Pred. No. 2.7e+02; Matches 15; Conservative 0; Mismatches 0; Indels
TELEFAX: (415) 576-0300;
INPORMATION FOR SEQ ID NO: 27;
SEQUENCE CHARACTERISTICS:
LENGTH: 25 base pairs
FYPE: nucleic acid
STRANDENNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-09-057-351-27
                                                                                                                                                                                                                                                                                                                                                                        3 GGCCAGCAGCTGACA 17
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S-10-027-961A-1/c Sequence 1, Application US/10027961A Publication No. US20030032789A1

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PREDICATE INCOMETIC, GARY P.

APPLICANT: O'NETLL, GARY P.

TITLE OF INVESTION: CONCENTRESSION OF HUMAN
TITLE OF INVESTION: CONCENTRESSION
TO CONCENTRESSION
TO CONCENTRESSION
THE CONCENTRESSION
TO CO
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Frinchn: Malsy, THOMAS
PPLICANT: WALSH, THOMAS
PPLICANT: GREY, KAREN
PPLICANT: MACRI, CHARLES
ITLE OF INVENTION: Functional Role of Adrenomedullin (AM) and the
                                                                                                                                                                                                                                                                                                              ZIP: 02109-1875
COMPUTER READABLE FOORM:
WORDTUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: US/09/803,347
FILING DATE: 12-Mar-2001
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/803,347
FILING DATE: «Unknown»
APPLICATION NUMBER: 08/712,610
FILING DATE: «Unknown»
ATTORNEY/AGENT INFORMATION:
NAME: ARTOL BERESTON NUMBER: B. REGISTERATION NUMBER: B. REGISTERATION NUMBER: B. REGISTEROE/DOCKET NUMBER: BMI-112CP2
                                                                                                                       APPLICANT: Charles N. Serhan
TITLE OF INVENTION: Lipoxin Compounds
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 12.4;
Pred. No. 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ANTI-SENSE NO SEQUENCE DESCRIPTION: SEQ ID NO: 1: US-09-803-347-1
                                                                                                                                                                                                            ADDRESSEE: LAHIVE & COCKFIELD STREET: 60 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: other nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Application US/09931700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (617) 227-7400
                                                             ; Sequence 1, Application US/09803347; Patent No. US20020010351A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (617)227-5941 INFORMATION FOR SEQ ID NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                         STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EDWARD J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                72.9%;
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UNSWORTH, EDWARD
HOOK, WILLIAM
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 92.9
Matches 13; Conservative
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Patent No. US20020055615A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                               COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEPHONE:
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                       RESULT 6
US-09-803-347-1/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 02109-1875

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        72.9%; Score 12.4; DB 10;
11arity 92.9%; Pred. No. 5e+03;
Conservative 0; Mismatches 1:
                                                                                                                                                                                                          Score 12.4; DB 9;
Pred. No. 5e+03;
0; Mismatches 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/803,552
FILING DATE: 09-Mar-2001
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 1, Application US/09803552
Patent No. US20010031882A1
GENERAL INFORMATION:
APPLICANT: Charles N. Serhan
TITLE OF INVENTION: Lipoxin Compounds
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: 09/803,552
FILING DATE: «Unknown»
APPLICATION NUMBER: 08/712,610
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ANTI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
                                                                                                                                             SEQUENCE DESCRIPTION: SEQ ID NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: LAHIVE & COCKFIELD STREET: 60 State Street
                                                                       TOPOLOGY: linear MOLECULE TYPE: other nucleic acid ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear MOLECULE TYPE: other nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REGISTRATION NUMBER: 35,430
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE: (617)227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Arnold, Beth E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (617)227-5941
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                         TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STATE: Massachusetts
                                                                                                                                                                                                            72.9%;
92.9%;
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CGGGCCAGCAGCTG 14
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                                                                                                                                                                                                        Query Match 72.9
Best Local Similarity 92.9
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
Matches 13; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                       JS-09-803-552-1/c
                                                                                                                                                                   US-10-175-268-1
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Gaps

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Length 24; Indels

DB 10;

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Query Match 72.9%; Score 12.4; DB 10; Length 24; Best Local Similarity 92.9%; Pred. No. 5e+03; Matches 13; Conservative 0; Mismatches 1; Indels (
                                                                                                                                                 Query Match 72.9%; Score 12.4; DB 10; Length 24; Best Local Similarity 92.9%; Pred. No. 5e+03; Matches 13; Conservative 0; Mismatches 1; Indels (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: USA

ZIF: 02109-1875

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US/09/803,402
PILING DATE: 00-Mar-2001
PRIOR APPLICATION NUMBER: 08/712,610
PILING DATE: 10-MINOMA: 08/77300
PILING DATE: 10-JUNE-1993
ATTORNEY: ARGICATION NUMBER: 08/077,300
FILING DATE: 11-JUNE-1993
ATTORNEY: ARGICATION NUMBER: BAILIZEPZ
REGISTRATION NUMBER: BAILIZEPZ
REGISTRATION NUMBER: BAILIZEPZ
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Charles N. Serhan
TITLE OF INVENTION: Lipoxin Compounds
NUMBER OF SEQUENCES: 12
CORRESPONDENCES:
ADDRESSES: LAHIVE & COCKFIELD
STREET: 60 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear MOLECULE TYPE: other nucleic acid AMTI-SENSE: NO SEQUENCE DESCRIPTION: SEQ ID NO: 1: US-09-803-402-1
MOLECULE TYPE: other nucleic acid

MATI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-803-549-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 10
US-09-968-445-1/c
; Sequence 1, Application US/09968445
; Patent No. US20020111505A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEPHONE: (617)227-74
TELEPHONE: (617)27-5941
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 24 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Boston
STATE: Massachusetts
COUNTRY: USA
                                                                                                                                                                                                                                                                        1 CGGGCCAGCAGCTG 14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid, ; OTHER INFORMATION: AM-R antisense probe (nucleotides 788-811) VS-09-931-700-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 72.9%; Score 12.4; DB 10; Length 24; Best Local Similarity 92.9%; Pred. No. 5e+03; Matches 13; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITALE: Boston
CITY: Boston
COUNTE: Massachusetts
COUNTE: USA
ZIP: 02109-1875
ZIP: 02109-1875
COMPUTER: TEMPE COMPATIBLE
COMPUTER: TEMPE COMPATIBLE
CORPUTER: TEMPE COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/803,549
FILING DATE: OP-Mar-2001
PRIOR APPLICATION NUMBER: 09/803,549
FILING DATE: OMNER: 09/803,549
FILING DATE: OMNER: 09/803,549
FILING DATE: OMNER: 09/803,549
FILING DATE: OMNER: 08/712,610
APPLICATION NUMBER: 08/712,610
RIGHTANDAY AGENT INFORMATION:
ANDE: ALLOCKET NUMBER: BMI-112CP2
TELECOMMUNICATION INFORMATION:
                                                      PRIOR APPLICATION NUMBER: 09/011,922
PRIOR FILING DATE: 1998-02-17
PRIOR FILING DATE: 1998-02-17
PRIOR FILING DATE: 1998-08-16
PRIOR FILING DATE: 1998-08-16
PRIOR APPLICATION NUMBER: 05/0013,172
PRIOR APPLICATION NUMBER: 05/0002,936
PRIOR APPLICATION NUMBER: 05/0002,936
PRIOR PILING DATE: 1995-08-30
PRIOR PILING DATE: 1995-08-18
PRIOR PILING DATE: 1995-08-18
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PARENTIN Ver. 2.1
LENGTH: 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Charles N. Serhan
TITLE OF INVENTION: Lipoxin Compounds
WUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSES: LAHIVE & COCKFIELD
STREET: 60 State Street
             CURRENT APPLICATION NUMBER: US/09/931,700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 1, Application US/09803549
Patent No. US20020082435A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
ORGANISM: Artificial Sequence
FRATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4 GCCAGCAGCTGACA 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
FILE REFERENCE: 3118.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 37688
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 12.2; DB 9;
Pred. No. 6.3e+03;
0; Mismatches 3;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
                                                                                    PRIOR APPLICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/850,049
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/050,478
FILING DATE: 26-OCT-1994
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/02908
FILING DATE: 29-MAR-1993
CLASSIFICATION DATA:
PRIOR APPLICATION NUMBER: PCT/US93/02908
FILING DATE: 29-MAR-1993
CLASSIFICATION NUMBER: US 07/858,747
FILING DATE: 27-MAR-1992
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 37688, Application US/10098263B Publication No. US20030104410A1 GENERAL INFORMATION:
                                   US/09/943,722
                                                                                                                                                                                                                                                                                                                                                                                                                                            34,398
                                                                                                                                                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFORMATION:
NAME: MORRY, MARY J.
REGISTRATION NUMBER: 34,398
REFERENCE/DOCKET NUMBER: 2
TELECOMMUNICATION INFORMATION:
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82.4%;
WORDPERFECT 5.1
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Matches 14; Conservative
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                CURRENT APPLICATION DP
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
CORGANISM: Homo sapien
US-10-098-263B-37688
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FOPOLOGY: LINEAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
Matches 13; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 12
US-10-098-263B-37688/c
                                                                            CLASSIFICATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       72.9%; Score 12.4; DB 10; Length 24; 92.9%; Pred. No. 5e+03; tive 0; Mismatches 1; Indels
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TITLE OF INVENTION: INHIBITORY/INSTABILITY REGIONS OF MRNA
NUMBER OF SEQUENCES: 130
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
                                                                                                                                                                    COMPTRY: USA
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/09/968,445
FILICATION DATA:
PRIOR DATE: 01-Oct-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER: BWI-112CP2 TELECOMMUNICATION INFORMATION:
        APPLICANT: Charles N. Serhan
TITLE OF INVENTION: Lipoxin Compounds
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 08/260,030 FILING DATE: 15-JUNE-1994 APPLICATION NUMBER: 08/077,300 FILING DATE: 15-JUNE-1993 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ANTI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
                                                                                          ADDRESSEE: LAHIVE & COCKFIELD STREET: 60 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Arnold, Beth E. REGISTRATION NUMBER: 35,430
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (617)227-7400
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Publication No. US20020192660A1
GENERAL INFORMATION:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ELEFAX: (617)227-5941
                                                                                                                                  CITY: Boston
STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS
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CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
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OPERATING SYSTEM:
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Best Local Similarity
Matches 13; Conserv
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                              Sequence 38944, Application US/10098263B
Publication No. US20030104410A1
GENERAL INFORMATION:
APPLICANT MITTHEN, Michael
TITLE OF INVENTION: Human Microarray
FILE REFERENCE: 318.18.1
CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT APPLICATION NUMBER: 60/276,759
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR FILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 38944
                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 71.8%; Score 12.2; DB 9; Length 25; Best Local Similarity 82.4%; Pred. No. 6.3e+03; Matches 14; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Gordon-Kamm, William J.
APPLICANT: Gregory, Carolyn A.
APPLICANT: McElver, John A.
APPLICANT: Hoerster, George J.
TITLE OF INVENTION: Cyclin D Polynucloetides, Polypeptides
TITLE OF INVENTION: and Methods of Use
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 23;
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10.0%; Score 12: DB 9;
Best Local Similarity 100.0%; Pred. No. 7.98+03
Matches 12; Conservative 0; Mismatches 0
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CURRENT FILING DATE: 2002-12-16
FRIOR APPLICATION NUMBER: 60/101,551
FRIOR FILING DATE: 1998-09-23
FRIOR FILING DATE: 1998-09-20
NUMBER OF SEQ ID NOS: 30
SOFTWARE: FRANCE OF Windows Version 3.0
SEQ ID NO 30
LENGTH: 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 15
US-09-817-387-18
; Sequence 18, Application US/09817387
; Patent No. US20010039263A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 30, Application US/10320230 Publication No. US20030110529A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Lowe, Keith S. APPLICANT: Tao, Yumin
                                                                                                                                                                                                                                                                                                                                                     ; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-38944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; NAME/KEY: primer bind
; LOCATION: (1)...(23)
US-10-320-230-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Zea mays
RESULT 13
US-10-098-263B-38944/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 14
US-10-320-230-30
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GENERAL INFORMATION:
APPLICANT. Max-Dalbruck-Centrum fur Molekulare Medizin
ITITE OF INTURNINC. Chimeric Oligonuclectides and the Use Thereof
FILE REFERENCE: 101195-24
CURRENT PAPLICATION NUMBER: US/09/817,387
CURRENT PALICATION NUMBER: US/09/817,387
CURRENT FILING DATE: 2001-03-26
PRIOR FILING DATE: 1997-05-02
NUMBER OF SEQ ID NOS: 29
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 18
LENGTH: 23
CHER INFORMATION: Description of Combined DNA/RNA Molecule:
OTHER INFORMATION: Oligonuclectides, linkages between positions of CHER INFORMATION: Oligonuclectides, linkages between OTHER INFORMATION: Description of Artificial Sequence:
OTHER INFORMATION: Inhages between positions 20 to 23 are
OTHER INFORMATION: Inhages between positions 20 to 23 are
OTHER INFORMATION: Description of Mismatches 0; Indels 0; Gaps
OTHER INFORMATION: On OTHER INFORMATION: Description of Mismatches 0; Indels 0; Gaps

QY
3 GGCCAGCAGCTG 14
Db
1 GGCCAGCAGCTG 12
JODE TIME 52.6773 secs
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Sequence 1, Appli
Sequence 1, Appli
Sequence 1, Appli
Sequence 13, Appl
Sequence 13, Appli
Sequence 3, Appli
Sequence 3, Appli
Sequence 41, Appli
Sequence 41, Appli
Sequence 41, Appli
Sequence 41, Appli
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                                                                                       June 24, 2003, 22:17:30 ; Search time 25.8048 Seconds (without alignments) 202.036 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 26,
Sequence 27,
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Sequence 9,
Sequence 1,
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Sequence 9,
Sequence 9,
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                                                                                                                                                                                                                                                                                                                                                                                                                                              Issued_Patents_NA:*
: /cgn2_6/ptodata/2/ina/5A_COMB.seq:*
: /cgn2_6/ptodata/2/ina/5B_COMB.seq:*
: /cgn2_6/ptodata/2/ina/6A_COMB.seq:*
: /cgn2_6/ptodata/2/ina/6B_COMB.seq:*
: /cgn2_6/ptodata/2/ina/bcTuS_COMB.seq:*
: /cgn2_6/ptodata/2/ina/pcTuS_COMB.seq:*
GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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US-08-04-271-1

US-08-064-271-1

US-08-015-89A-1

US-09-30-589A-1

US-09-30-423-1

US-09-30-423-1

US-09-101-922A-13

US-09-172-498-3

US-08-832-399-3

US-08-832-399-3

US-08-832-399-3

US-08-831-9748-136

US-07-72-612-2

US-08-06-61-2

US-08-06-961-2

US-08-06-961-2

US-08-06-961-2

US-08-06-478-9

US-09-678-437-9
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                                                                                                                                                                                                                                                                                              Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-482-115B-26
                                                                                                                                                                                                                                                                   441362 segs, 153338381 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                               Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                      - nucleic search, using sw model
                                                                                                                                                                                                                     IDENTITY NUC
Gapop 10.0 , Gapext 1.0
                                                                                                                                                      US-08-770-564A-14
17
1 CGGGCCAGCAGCTGACA 17
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Match Length
                                                                                                                                                                                                                                                                                                                                Minimum DB seq length: 0
Maximum DB seq length: 50
                                                                                                                                                                                                                       Scoring table:
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                                                           OM nucleic
                                                                                                                                                                                         Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Database
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No.
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19, APP1
723, APP
13, APP1
4, APP1
5, APP1
10, APP1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 14, Application US/08770565
; Sequence 14, Application US/08770565
; Patent No. 5846723
; GENERAL INFORMATION:
APPLICANT: Kim, Nam Woo
APPLICANT: Kealey, James T.
APPLICANT: Privan, Ronald
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Methods for Detecting the RNA Component of
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSER: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STRRET: CALIFORNIA
                                                                                                                                                                                                                                                                                                                           Sequence
Sequence
Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CCUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: EN PC COMPALIALE
COMPOTER: IEM PC COMPALIALE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: SCOTELLA, JOHN R.
REFERENCE/DOCKET NUMBER: 015389-002300US
FEFERENCE/DOCKET NUMBER: 015389-002300US
TELEFRANTON INFORMATION:
TELEFRANCE/SOFCET NUMBER: 115-576-0200
TELEFRANCE/SOFCET NUMBER: 115-576-0200
TELEFRANCE/DOCKET NUMBER: 115-576-0200
TELEFRANCE ALS-576-0200
TELEFRANCE ALS-576-0200
STELEFRANCE THAS-576-0300
TELEFRANCE CHARACTERISTICS:
TENGRAPH TON POR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
US-09-678-437-5
US-08-974-549A-401
US-08-974-549A-508
US-08-974-549A-508
US-08-974-549A-723
US-08-974-549A-723
US-08-974-549A-723
US-08-925-708-4
US-08-925-708-4
US-08-925-708-4
US-08-925-708-5
US-08-925-708-7
US-08-925-708-7
US-08-925-708-7
US-08-925-708-7
US-08-925-708-7
US-08-925-708-7
US-08-93-3
US-08-064-693-3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: Sar
STATE: Ca
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-770-565-14
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Sequence 8292, Ap Sequence 8293, Ap Sequence 5, Appli

.08-584-040-8293

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08-050-478-5 JS-09-414-117-5

Sequence 5, P Sequence 5, P Sequence 5, P

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OTHER INFORMATION: /mod= "N = 5' biotinylated guanosine"
FEATURE: NAME/KEY: -
INAME/KEY: -
COATION: 1..30
GOTHER INFORMATION: /note= "Oligo 13"
US-08-833-377-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 100.0%; Score 17; DB 2; Length 30; Best Local Similarity 100.0%; Pred. No. 14; Matches 17; Conservative 0; Mismatches 0; Indels
                                                                                                               GENERAL INFORMATION:
APPLICANT: Arkinson III, Edward M.
APPLICANT: Ussercot, Alain P.
APPLICANT: Ussercot, Alain P.
APPLICANT: Vassercot, Alain P.
APPLICANT: Vassercot, Alain P.
APPLICANT: Vassercot, James T.
ITILE OF INVENTION: Purified Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS: ADDRESSE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STREET Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STREET Two Embarcadero Center, Eighth Floor
CURRENT APPLICANTON NUMBER: US/08/833,377
ATLING SYSTEM: U4-APR-1997
CLASSIFICATION NUMBER: US/08/833,377
ATTORNEY AGENT INFORMATION:
AREDIAND FOR ENGINE STEADON
TELECOMMUNICATION INFORMATION:
RESTRANCE/DOCKET NUMBER: 015389-001110US
TELECOMMUNICATION INFORMATION:
TOWN INFORMATION INFORMATION INFORMATION:
TOWN INFORMATION INFORM
US-08-833-377-5
; Sequence 5, Application US/08833377
; Patent No. 5968506
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: modified base LOCATION: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ઠે
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RESULT 3 US-08-482-115B-26 ; Sequence 26, Application US/08482115B

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PREMERAL NO. $77679;
PREMERAL NO. $77679;
PREMERAL STATE STA
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Gaps
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                                                                                                                                                                                                                                                                                                                                                                     72.9%; Score 12.4; DB 1; Length 24; 92.9%; Pred. No. 1.9e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 24;
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                                                                                                                                                                                                                                                                                                                                                                                                                              1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTER: USA
ZIP: 02109-1875
COMPUTER READABLE PORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTEN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/712,610
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 12.4; DB 3;
Pred. No. 1.9e+03;
0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: Charles N. Serhan
TITLE OF INVENTION: Lipoxin Compounds
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/260,030
FILING DATE: 12-JUNE-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/077,300
FILING DATE: 15-JUNE-1993
ATTORNEY/AGENT INFORMATION:
REFERENCE/DOCKET NUMBER: 18906IA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: other nucleic acid
; ANTI-SENSE: NO
US-08-712-610-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 6
US-08-112-610-1/c
; Sequence 1, Application US/08712610
; Patent No. 6048897
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NAME: ATTOLA BECT B.
REGISTRATION NUMBER: 35,430
REFERENCE/DOCKET NUMBER: BWI-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)277400
                     TELECOMMUNICATION INFORMATION:
TELEBHONE: (908) 594-3199
TELEPAX: (908) 594-4720
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 bases
                                                                                                                                                                                                                                                      TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)
US-08-064-271-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   72.9%;
92.9%;
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INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 CGGGCCAGCAGCTG 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 CGGGCCAGCAGCTG 14
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Best Local Similarity 92.9
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                 13; Conservative
                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity Matches 13; Conserv
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                                                                                                                                                                                                                                                                                                                                                                           Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Kennedy, Brian P.
APPLICANT: Cromlish, Wanda A.
APPLICANT: Mancini, Joseph A.
APPLICANT: O'Nell, Gary
APPLICANT: Vickers, Philip J.
APPLICANT: Workers, Philip J.
APPLICANT: Words, Blizabeth
TITLE OF INVENTION: HUMAN CYCLOOXYGENASE-2 CDNA AND
TITLE OF INVENTION: ASSAY FOR EVALUATING CYCLOOXYGENASE ACTIVITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
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1.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
                                                                                             OPERATION SYSTEM:

OPERATION OF PREACTION BY PC-DOS/MS-DOS

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/472,802C

FILING DATE: 07-JUN-1995

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/82/22,102

FILING DATE: 07-JUL-1994

PRIOR APPLICATION NUMBER: US/8/330,123

FILING DATE: 27-OCT-1994

ATFORNEY/AGENT INPORMATION:

NAME: SMICH, William NUMBER: 30,223

REFERENCE/DOCKET NUMBER: 30,223

REFERENCE/DOCKET NUMBER: 35,223

REFERENCE/DOCKET NUMBER: 30,223

REFERENCE/DOCKET NUMBER: 30,223

REFERENCE/DOCKET NUMBER: 30,223

RELEPAX: (415) 576-0200

IFLEPAX: (415) 576-0200

INFORMATION FOR SEQ ID NO: 27:

SEQUENCE CHARACTERISTICS:

LENGTH: 25 base pairs

TYPE: nucleic acid

STRANDENESS: single

TOTAL DATE: UNDER SECOLUMENTER STRANDENESS: SINGLE STRANDENES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS: 14
CORRESPONDENCE ADDRESS: 16
ADDRESSEE: Merck & Co., Inc.
STREET: 126 Lincoln Avenue
CITY: Rahway
COUNTRY: USA
ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 in, 1.4kb
COMPUTER: Apple Macintosh
OPERATING SYSTEM: System 7
SOCTWARE: Microsoft Word 5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/064,271
FILING DATE: 19930506
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 15;
Pred. No.
COMPUTER READABLE FORM:
BEDIUM TYPE: Floppy disk
CMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               88.2%; Sc.
100.0%; Pre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-064-271-1/c
; Sequence 1, Application US/08064271
; Patent No. 5543297
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Panzer, Curtis C.
REGISTRATION NUMBER: 33,752
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3 GGCCAGCAGCTGACA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9 GGCCAGCAGCTGACA 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; MOLECULE TYPE: DNA
US-08-472-802C-27
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Sequence 13, Application US/09011922A;
Sequence 13, Application US/09011922A;
Patent No. 6320022;
GENERAL INFORMATION:
APPLICANT: Cutifite, Frank; Martinez,
APPLICANT: Alfredo, Miller, Mae Jean; Unsworth, Edward
APPLICANT: A. Hook, William; Walsh, Thomas; Grey,
APPLICANT: T. Hook, William; Walsh, Thomas; Grey,
ITILE OF INVENTION: Adrenomedullin (AM) and the Gene-Related
ITILE OF INVENTION: Product (PAMP) in Human Pathology and
TITLE OF INVENTION: Physiology
ITILE OF INVENTION: Physiology
CORRESPONDENCE ADDRES: 17
CORRESPONDENCE ADDRES: 17
CORRESPONDENCE ADDRES: 17
CORRESPONDENCE ADDRES: ASTREET: 345 Park Avenue
CITY: New York
STATE: NY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 12.4; DB 4; Length 24;
Pred. No. 1.9e+03;
0; Mismatches 1; Indel8
   COMPUTER READABLE FORM;
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
COMPUTER: PRIOR DATA:
APPLICATION NUMBER: US/09/309,423
FILING DATE:
PRIOR APPLICATION NUMBER: 08/260,030
FILING DATE: 15-JUNE-1994
APPLICATION NUMBER: 08/077,300
FILING DATE: 15-JUNE-1993
ATTORNEY AGENT INFORMATION:
MANE: ALTORIAL STATION NUMBER: BMI-112CP2
FILING DATE: 15-JUNE-1993
ATTORNEY AGENT INFORMATION:
FILECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAX: (G17)227-7400
INFORMATION FOR SEQ ID NO: 1: SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/011,922A
FILING DATE: 17-Feb-1998
FILOR APPLICATION DATA:
APPLICATION DATA:
NPLICATION NUMBER: US/60/002,514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          linear -
3: other nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY: USA
ZIF: 10154-0053
ZIF: 10154-0053
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy Disk
COMPUTER: 1BM FC Compatible
OPERATING SYSTEM: MS MORD 9:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     72.9%;
92.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 72.9
Best Local Similarity 92.9
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE:
ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-309-423-1
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Pred. No. 1.9e+03;
0; Mismatches 1; Indels
                                                                                                                                                                                                       APPLICANT: MERCK FROSST CANADA & CO.
APPLICANT: MERCK FROSST CANADA & CO.
APPLICANT: O'NUILL, GARY P.
APPLICANT: O'NUILL, GARY P.
APPLICANT: O'NUILL, GARY P.
TITLE OF INVENTION: U'CLOOXYGENASE-2
CORRESPONDENCES: 23
CORRESPONDENCES: 24
COUNTRY: US BOX 2000, 126 E. Lincoln Ave.
CITY: Bahway
COUNTRY: US
COUNTRY: US
COUNTRY: US
COUNTRY: US
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
COMPUTER: US CORPACE
COMPUTER: US CORPACE
MEDIUM TYPE: US CORPACE
COMPUTER: US CO
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Sequence 1, Application US/09309423
Sequence 1, Application US/09309423
Partent No. 6316648
PAPLICANT: Charles N. Serhan
APPLICANT: Charles N. Serhan
TITLE OF INVENTION: Lipoxin Compounds
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
                                                                                                                                                   Sequence 1, Application US/08930589A
Patent No. 6107087
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street
SITY: Boston
STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          72.9%;
92.9%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 92.9
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               18 cáciccacacacic s
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; MOLECULE TYPE: CDNA
US-08-930-589A-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    à
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Gaps
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APPLICANT: Bergama, Derk
APPLICANT: Shabon, Usman
TITLE OF INVENTION: NOVEL HUMAN NEUROTENSIN RECEPTOR TYPE 2
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 12.4; DB 4;
Pred. No. 1.9e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 12.4; DB 3;
Pred. No. 1.9e+03;
0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/832,399
FILING DATE: 02-APR-1997
CLASSIPICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                     REFERENCE/DOCKET NUMBER: 19029PC
                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear
MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
                                              TELECOMMUNICATION INFORMATION TELEPHONE: 732-594-6734
                                                                                                                                                                                                                                                                                                                                                                                                                                                 72.9%; Scor.
92.9%; Pred
0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 11
US-08-832-399-3
Sequence 3, Application US/08832399
Patent No. 6008050
GENERAL INFORMATION:
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APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: King, William T
REGISTRATION NUMBER: 30,954
REFERENCE/DOCKET NUMBER: GH50.
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5515
                                                                                                      TELEFAX: 732-594-4720
                                                                                                                                                                                                                                LENGTH: 24 base pairs
                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                  TELEX: <UNKNOWN>
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
72.9%;
Best Local Similarity 92.9%;
Matches 13; Conservative
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Best Local Similarity 92.9
Matches 13; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: 610-270-5090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS LENGTH: 27 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear. MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              linear
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                                                                                                                                                                                                                                                                                                                                                                                                               US-09-599-781-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: MERCK FROSST CANADA & CO.
O'NEILL, GARY P.
MANCINI, JOSEPH A.
TITLE OF INVENTION: HIGH LEVEL EXPRESSION OF HUMAN
CYCLOOXYGENASE-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FastESE for Windows Version 2.0b
CURRENT APPLICATION DATA:
FILING DATE: 2.-0un-2000
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: Merck & Co., Inc.
STREET: P.O. Box 2000, 126 B. Lincoln Ave.
FILING DATE: 18-Aug-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/60/002,936
FILING DATE: 30-Aug-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/60/013,172
FILING DATE: 12-Mar-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/60/13286
FILING DATE: 16-Aug-1996
ATTONNEY/ACENT INFORMATION:
NAME: Leelle A. Serunian
REGISTRATION NUMBER: 35,353
FREENCHY/CONTENTION NUMBER: 35,353
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION IN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; OTHER INFORMATION: AM-R antigense probe US-09-011-922A-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 08/084,033
FILING DATE: 27-Sep-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Coppola, Joseph A
REGISTRATION NUMBER: 38,413
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 1, Application US/09599781 Patent No. 6362327 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4 GCCAGCAGCTGACA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: AM-R (788-811)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 92.9°
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY: Rahway
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ANTI-SENSE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-599-781-1/C
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Query Match 72.9%; Score 12.4; DB 3; Length 30; Best Local Similarity 92.9%; Pred. No. 1.9e+03; Matches 13; Conservative 0; Mismatches 1; Indels
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PELICATION NUMBER: 30 6-236357
PELIONG DATE: 30 6-28P-1994
PELIONG DATE: 30 6-28P-1994
APPLICATION NUMBER: JP 6-236356
FILING DATE: 31 6-8P-1994
PRIOR APPLICATION NUMBER: JP 6-189274
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189273
FILING DATE: 11-AUG-1945
PRIOR APPLICATION NUMBER: JP 6-189273
FILING DATE: 11-AUG-1945
APPLICATION NUMBER: JP 6-189272
APPLICATION NUMBER: JP 7-057186
FILING DATE: 16-MAR.1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-007177
FILING DATE: 20-JAN 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-326611
FILING DATE: 28-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-270017
FILING DATE: 02-000-1994
PRIOR APPLICATION NUMBER: JP 6-27017
APPLICATION NUMBER: JP 6-27017
APPLICATION NUMBER: JP 6-27017
APPLICATION NUMBER: JP 6-236357
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10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 10.000 | 1
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STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; MOLECULE TYPE: CDNA
US-08-513-974B-136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             linea
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Patent No. 6166182

GENERAL INPORMATION:
APPLICANT: User Shabon
TITLE OF INVENTION: NOVEL HUMAN NEUROTENSIN RECEPTOR TYPE 2
TITLE OF INVENTION: NOVEL HUMAN NEUROTENSIN RECEPTOR TYPE 2
TITLE OF INVENTION: NOVEL HUMAN NEUROTENSIN RECEPTOR TYPE 2
TITLE OF INVENTION: NOVEL HUMAN NEUROTENSIN RECEPTOR TYPE 2
TITLE OF INVENTION: NOWBER: US/09/372,498
CURRENT FILING DATE: 1999-08-11

PRIOR FILING DATE: 1997-04-02

NUMBER OF SEQ ID NOS: 12

SOFTWARE: FastSEQ for Windows Version 3.0

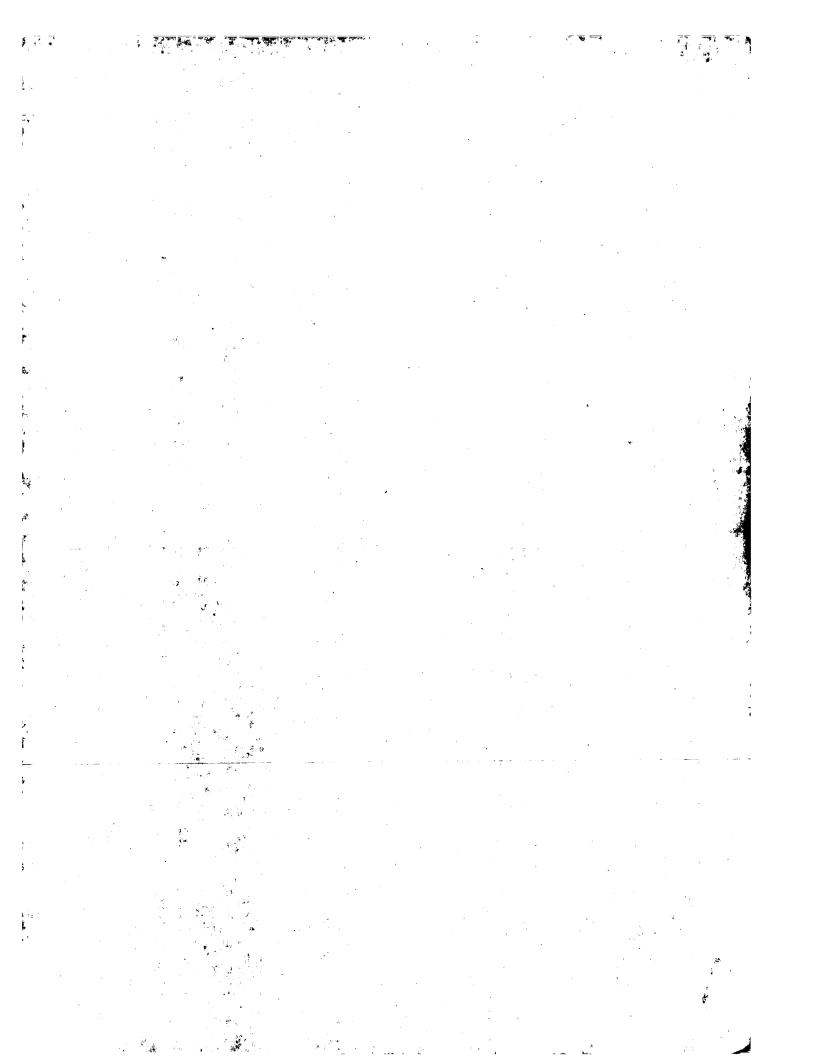
LENGTH: 27
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APPLICANT: HORDWATION:
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APPLICANT: HORDWATION:
APPLICANT: Ontaki, Tetsuya
APPLICANT: Ontaki, Tetsuya
APPLICANT: Ontaki, Tetsuya
APPLICANT: Pukusumi, Shoji
APPLICANT: Ontaki, Tetsuya
APPLICANT: Ontaki, Mazuhiro
TITLE OF INVENTION: GPRODUCTION, AND USE THEREOF
OUNDERSSEE: 190 WATERS: 380
CORRESPONDENCE ADDRESS:
ADDRESSEE: 130 WATER STREET: 130 WATER STREET:
CITY: BOSCON
STREET: 130 WATER STREET
CITY: BOSCON
COUNTRY: USA
ZIP: O2109
COMPUTER: ELOPPY disk
COMPUTER: PLOPPY disk
COMPUTER: ELOPPY disk
COMPUTER: ELOPPY disk
COMPUTER: ELOPPY disk
COMPUTER: STEETIN RELEASE
NEDLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08 / 513, 974B
FILING DATE: 10-AUG-1995
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; Sequence 136, Application US/08513974B
; Patent No. 6114139
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*PRIOR APPLICATION DATA:
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; ORGANISM: HOMO SAPIENS
US-09-372-498-3
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GENERAL INCRMATICANT:
APPLICANT: Learnhardt, Waldemar
APPLICANT: Bourdon, Mario
APPLICANT: Bourdon, Mario
APPLICANT: Bourdon, Phil
TITLE OF INVENTION: HYBRID PROTEINS CONTAINING BINDING SITES
NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:
ADDRESSEE: Bingham & Fitting
STREE: 11230 Sorrento Valley Road, Suite 200
CITY: San Diego
CITY: San Diego
CITY: San Diego
CITY: Ban Diego
COUNTRY: USA
ZIP: 92121
COMPUTER: IBAP PC COMPATIBLE FORM:
WEDIUM TYPE: Floppy disk
COMPUTER: IBAP PC COMPATIBLE
COMPUTER: BAP PC COMPATIBLE
COMPUTER: PATENTIAL REALDER
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APPLICANT: Halbert, Donald N.
APPLICANT: Halbert, Donald N.
APPLICANT: Halbert, David J.
TITLE OF INVENTION: Nucleic Acid Probes for the Detection of
TITLE OF INVENTION: Neisseria Gonorthoeae
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSE: Amoco Corporation
STREET: 55 Shuman Blvd., Suite 600
CITY: Naperville
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 12.4; DB 1; Length 48; Pred. No. 1.9e+03;
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ZIP: 60563

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/066,961
FILING DATE: 19930525
CLASSIFICATION NUMBER: US 07/775,210
FILING DATE: 10-00V-1991
PRIOR APPLICATION NUMBER: US 07/775,210
FILING DATE: 24-MAY-1999
ATPONEY/AGENT INFORMATION:
PRILING DATE: 24-MAY-1999
ATPONEY/AGENT INFORMATION:
REGISTRATION NUMBER: 32,838
REFRENCE/DOCKET NUMBER: 32,838
REFRENCE/DOCKET NUMBER: 32,838
REFRENCE/OFOCKET NUMBER: 32,838
REFRENCE/OFO
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/720,222
FILING DATE: 19910621
CLASSIFFCATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: BIGGHAM, DOUGHAS:
REGISTRATION NUMBER: 32,457
REFERENCE/DOCKET NUMBER: 32,457
REFERENCE/DOCKET NUMBER: CIBO012P
TELECHONE: 619-687-3533
INFORMATION FOR SEC 1D NO: 41:
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; Sequence 2, Application US/08066961
; Patent No. 5432271
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Best Local Similarity 92.9%;
Matches 13; Conservative
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LENGTH: 48 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: double
TOPOLOGY: linear
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COUNTRY: USA
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Title: Perfect score:

Sequence:

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Run

Scoring table:

Word size

Searched:

Database :

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46 bp mRNA linear EST 18-SEP-1995 yo30g07.rl Soares adult brain N2b5HB55Y Homo sapiens CDNA clone IMAGE:179484 5' similar to SP:ACON_PIG P16276 ACONITATE HYDRATASE PRECURSOR ;, mRNA sequence.
                                                                      AU107010 AU107010
AU107011 AU107011
AU107012 AU107012
AU107012 AU107015
AZ797063 ZM0053N03
AZ636336 1M0495D12
AZ645669 IM0369005
AZ645669 IM051D15
AL486659 T. MUCHID15
AU317175 1M0035H16
AU107553 AU107553
AU107553 AU107553
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AZ760286 IM0553M20
AA209184 Z985c06.r
T69111 yc311h09.rl
AA932841 coc57a07.s
AI284114 qt72e11.x
BI523407 603175864
B1523407 603175864
H23758 yn70c07.rl
         AI181597 uc63d11.r
BG718339 602665344
BI465330 603206653
ABA71967 vq43h03.r
AA542511 fa07d05.r
AA213878 zr91b05.r
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Hillier, L., Clare, Dubuque, T., Elliston, K., Hawkins, M., Holman, M., Rucaba, T., Le, M., Lennon, G., Marra, M., Parsons, J., Rifkin, L., Rohlfing, T., Soares, M., Tan, F., Trevaskis, E., Waterston, T., W. Williamson, A., Wohldmann, P. and Wilson, R.
The WashU-Merck EST Project
Unpublished (1995)
Contact: Wilson RK
                                                                                                                                                                                                                                                                                                                 H23758 yn70c07.rl
AZ776000 2M0009M16
                                                                                                                                                                                                                                                                                                                                       AA237940 mx27e02.r
AQ073133 EP(3)3707
AU102703 AU102703
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AU107184 AU107184
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AU107189 AU107189
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4444 Porest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1810
Email: est@watson.wustl.edu
Insert Size: 701
High quality sequence starts: 1
High quality sequence stops: 1
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                                                                                                                                                                       TA291H03Q
AZ317175
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AZ636336
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AZ645669
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AZ760286
AA209184
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AI284114
BI523407
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AQ073133
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H51364.1 GI:991205
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 VERSION
KEYWORDS
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ORGANISM
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DEFINITION
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AUTHORS
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JOURNAL
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H51364
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AI159805 qc73c05.x
AZ815373 2M0083M06
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AA914273 vy99a03.r
AU103700 AU103700
                                                                     June 23, 2003, 04:47:09; Search time 876.482 Seconds (without alignments) 314.123 Million cell updates/sec
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                                                                                                                                                                                                                                        102860
         GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                            16154066 seqs, 8097743376 residues
                                                                                                                                                                                                                                     Total number of hits satisfying chosen parameters:
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                                                 - nucleic search, using sw model
                                                                                                                                                                                                                                                                                            summaries
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AI159805
AZ815373
AI570731
AA914273
AU103700
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17
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Score

Result Š. 22222

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High quality sequence stop: 1. Location/Qualifiers
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Rm. 308, Bic
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AUTHORS
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AIS9805

AIS9805

ARNA linear EST 28-OCT-1998

GG73065.x1 Soares placenta Bto9weeska 2NbhPBE05W Homo sapiens CDNA

Clone IMAGE:1715240 3' similar to TR:015726 Q15726 MALIGNANT

AIISANOMA METASTASIS-SUPPRESSOR. ; mRNA sequence.

AIIS9805.1 GI:3693164
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Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;

Bukaryota, Metazoa; Chordata; Catarrhini; Hominidae; Homo.

1 (Bases 1 to 49)

NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.

National Cancer Institute, Cancer Genome Anatomy Project (CGAP),

Tumor Gene Index

Unpublished (1997)
Source: IMAGE Consortium, LIND.
This clone is available royalty-free through LIND.; contact the IMAGE Consortium (info@image.llnl.gov) for further information. Trace considered overall poor quality
Possible reversed clone: similarity on wrong strand
Insert Length: 701 Std Error: 0.00
Seq primer: MilRPI
High quality sequence stop: 1.
Location/Qualifiers
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Email: cgapbs-r@mail.nih.gov
Email: cgapbs-r@mail.nih.gov
is clone is available royalty-free through LLNL, contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Trace considered overall poor quality
Insert Length: 545 Std Error: 0.00
Seq primer: -40m13 fwd. ET from Amersham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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Local Similarity 100.0%; Pred. No. 4.5e+03.
Les 13; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                         clone lib="Soares adult brain N2b5HB55Y"
Bex="Male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 others
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                                                                                                                                                                        organism="Homo Bapiens"
db_xref="GDB:3841680"
db_xref="taxon:9606"
clone="IMAGE:179484"
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Mukanyotati Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia; Butheria; Rodentia; Sciurognathi, Muridae, Murinae; Mus. 1 (Mases 1 to 38)

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hemil, C., Islam, H., Longarer, S., Nahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A., Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

Minubilshed (2000)

Contact: Robert B. Weiss

University of Utah

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AZ815373 38 bp DNA linear GSS 20-FEB-2001
AR0083M06R Mouse 10kb plasmid UUGCIM library Mus musculus genomic
clone UUGCZM0083M06 R; DNA sequence.
AZ815373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /organism="Mus musculus"
/srrain="C57BL/6J"
/db xref="Laxon:10090"
/clone="UUGC2M0083M06"
/clone lib="Mouse 10kb plasmid UUGCIM library"
/sax="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 76.5%; Score 13; DB 9; Length 49; Best Local Similarity 100.0%; Pred. No. 4.5e+03; Matches 13; Conservative 0; Mismatches 0; Indels
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Insert Length: 10000 Std Error: 0.00
Plate: 0003 row: M column: 06
Seg primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 38.
Location/Qualifiers
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Tel: 801 585 5606
Fax: 801 585 7177
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T 3']; double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT7T3 vector. RNA provided by Dr. Minoru Ko, Wayne State Univ. Library constructed and normalized by Bento Soares and M.Fatima
                                                                                                                                                                                                                                                                                                                                                                         AA914273 49 bp mRNA linear EST 14-APR-1998 vy95a03.r1 Soares mammary gland NbMMG Mus musculus cDNA clone HAGE:1314316 5' similar to TR:P97369 P97369 NEUTROPHIL CYTOSOLIC PACTOR 4 i, mRNA sequence.
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Marra,M., Hillier,L., Allen,M., Bowles,M., Dietrich,N., Dubuque,T.,
Geisel,S., Kucaba,T., Lacy,M., Le,M., Martin,J., Morris,M.,
Schellenberg,K., Steptoe,M., Tan,P., Underwood,K., Mooze,B.,
Theising,B., Wylie,T., Lennon,G., Soares,B., Wilson,R. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mus musculus
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Email: mouseest@watson.wustl.edu
This clone is available royalty-free through LLNL ; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
MGI:684612
                                                                                                                                                       Gaps
                                                                                                                                                    ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Contract: Marram M/Mouse EST Project
WashU-HHMI Mouse EST Project
Washington University School of MedicineP
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
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                                                                                                         Length 40;
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/sex="male"
                                                                                                    70.6%; Score 12; DB 9; L 100.0%; Pred. No. 1.4e+04; ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Trace considered overall poor quality
Possible reversed clone: similarity on wr
Seg primer: -28m13 rev2 ET from Amersham
High quality sequence stop: 1.
Location/Qualifiers
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/dev_stage="4 weeks"
/lab_host="DH108"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="IMAGE:1314316"
                                 p
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                                                                          Query Match
Best Local Similarity 100...
Best Local 2; Conservative
       11548-013"
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AA914273
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                                                                (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinaee. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gil 4732114 [gb] AFL29072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Email: cgapbs-r@mail.nih.gov
Life Technologies catalog #: 11548-013
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.B. Consortium/LINL at:
www-bio.llnl.gov/bbrp/image/image.html
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note="Organ: pancreas; Vector: pCMV-SPORT6; Site 1: Sall; Site 2: Not1; Cloned unidirectionally. Primer: Oligo dT. Average insert size 1.72 kb. Life Technologies catalog #:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 40)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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/organism="Homo sapiens"
/db xref="taxon:9606"
/clone="IMAGE:2223264"
/clone="Ib="NGT CGAP Pan1"
/tissue_type="adenocarcinoma"
/lab_hose="bH108"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Trace considered overall poor quality
Insert Length: 2315 Std Error: 0.00
Seg primer: -40UP from Gibco
High quality sequence stop: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             70.6%; Score 12; DB 100.0%; Pred. No. 1.4 ive 0; Mismatches
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Unpublished (1997)
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Best Local Similarity 100.
Matches 12; Conservative
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AI570731
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lorganisms"Homo sapiens"

(do xrefs"taxon:5569437"

(clone=1ba-WHTH MGC_97"

/clone=1ba-WHTH MGC_97"

/lob hosts="DH10B"

/note="Organ: testis; Vector: pBluescriptR (modified pBluescript KS+); Site_1: BamHI; Site_2: Sall-Khol (gccgag); Oligo-dT primed using primer S'-TTTTTTTTTTTTTTTTVN-3', size_atlacted for average insert size_2: A and normalized to ROT S. This is a primary library enriched for full-length clones and constructed using the Cap-trapper method (Carninci, in preparation). Library constructed by M. Brownstein (NIMH/NHGRI, National Institutes of Health). Note: this is a NIH_MGC Library."
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Marra, M., Hillier, L., Allen, M., Bowles, M., Dietrich, N., Dubuque, T., Gelsel, S., Kucaba, T., Lacy, M., Martin, J., Morris, M., Schellenberg, K., Steptoe, M., Tan, F., Undarwood, K., Moore, B., Wilson, R. and Waterston, R. The Mashu-HHMI Mouse EST Project
Unpublished (1996)
Contact: Marra M/Mouse EST Project
Washu-HHMI Mouse EST Project
Washu-HHMI Mouse EST Project
Washu-HHMI Wouse EST Project
Washu-HHMI Wouse EST Project
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Email: cgapbs-remail.nih.gov
Tissue Procurement: Miklos Blkovits, M.D., Ph.D.

CDNA Library Preparation: Micheel J. Brownstein (NHGRI), Shiraki
CDNA Library Preparation: Micheel J. Brownstein (NHGRI), Shiraki
CDNA Library Preparation: Micheel J. Brownstein (LLNL)
DNA Sequencing by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: Lamilogy row: m column: 22
High quality sequence stop: 30.
Location/Qualifiers
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Possible reversed clone: similarity on wrong strand
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AI181597.1 GI:3732235
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Best Local Similarity 100.0
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AI181597/c
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Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;

Mammalia; Butheria; Primates; Catarrhin; Hominidae; Homo.

Mammalia; Butheria; Primates; Catarrhin; Hominidae; Homo.

Suzuki, Y., Taira, H., Tsunoda, T., Mizushima-Sugano, J., Sese, J., Hata, H., Oca, T., Isogai, T., Tanaka, T., Morishita, S., Okubo, K., Sakaki, Y., Nakamura, Y., Suyama, A. and Sugano, S.

Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites

EMBO Rep. 2 (5), 388-393 (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Content: Yutaka Suzuki
Content: Yutaka Suzuki
Content: Of Virology
Institute of Medical Science, University of Tokyo
14-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
14-6-1, Suzuki, Yutukisham u-tokyo.ac.jp
Suzuki, Y., Yoshitomo-Nakagawa, K., Maruyama, K., Suyama, A. and Sugano
,S. Construction and characterization of a full length-enriched and
a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
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MRNA sequence.
B14637771 GI:15254433
                                                                                                                                                                                                                                                                                                                                             AU103700 50 bp mRNA linear EST 30-AUG-2001 AU103700 Sugano Homo sapiens CDNA library Homo sapiens CDNA clone CAS01030, mRNA sequence. AU103700 GI:13553221
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Eukaryota, Metheria, Primates, Catarrhini, Hominidae, Homo.
1 (bases 1 to 30)
NNI+WGC http://mgc.nci.nih.gov/.
NAI+WGC http://mgc.nci.nih.gov/
Unpublished (1999)
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/organism="Homo sapiens"
/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="Casimo Homo sapiens cDNA library"
/clone="Differential display comparison of untreated and
inethylfumarate treated U397 cells"
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          Query Match
70.6%; Score 12; DB 9; Length 49;
Best Local Similarity 10.0%; Pred. No. 1.5e+04;
Matches 12; Conservative 0; Mismatches 0; Indels
Matches 12; Conservative 0; Mismatches 0;
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Best Local Similarity 100.
Matches 12; Conservative
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BI465330 41 bp mRNA linear EST 21-AUG-2001 603206653F1 NIH_MGC_97 Homo sapiens cDNA clone IMAGE:5272405 5',
); Oligo-dT primed using primer 5'-TTTTTTTTTTTTTTTTVN-3', size-selected for average insert size 2.2 kb and normalized to ROT 5. This is a primary library enriched for full-length clones and constructed using the Cap-trapper method (Carninci, in preparation). Library constructed by M. Brownstein (NIMH/NHGRI, National Institutes of Health). Note: this is a NIH_MGC Library."
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Tissue Procurement: Miklos Palkovits, M.D., Ph.D.
Tissue Procurement: Miklos Palkovits, M.D., Ph.D.
Tissue Procurement: Miklos Palkovits, M.D., Ph.D.
Tobh Jubrary Preparation: Michael J. Brownstein (NHGRI), Shiraki
Toshiyuki and Piero Carninci (RIKEN)
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAMI1687 row: i column: 14
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 41)
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National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
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100.0%; Pred. No. 4.6e+04;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                64.7%; Score 11; DB 12; Length 41; 100.0%; Pred. No. 4.6e+04; ive 0; Mismatches 0; Indels
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/db_xref="taxon:9606"
/clone="IMAGE:5272405"
/clone_lib="NIH_MGC_97"
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                          /note="Organ: mammary gland; Vector: pT7T3D-Pac (Pharmacia ) with a modified polylinker; Site 1: Not I; Site 2: Bco RI; 1st strand cDNA was primed with a Not I - oligo(dT) primer [5.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
1 (bases 1 to 41)
MIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
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Tissue Procurement: Miklos Palkovits, M.D., Ph.D.

Tissue Procurement: Miklos Palkovits, M.D., Ph.D.

CDNA Library Preparation: Michael J. Brownstein (NHGRI), Shiraki
Toshiyuki and Piero Carninci (RIRKEN)

CONA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)

DNA Sequencing by: Incyte Genomics, Inc.

Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:

http://image.llnl.gov

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                                                                                                 /organism="Mus musculus"
/strain="C57BL/6J"
/db xref="taxon:10090"
/clone="IMAGE:1430325"
/clone_lib="Soares_mammary_gland_NbMMG"
/sex="male"
     Seg primer: -28m13 rev2 ET from Amersham
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                                                                                                                                                                                                                                                /tissue_type="mammary gland"
/dev_stage="4 weeks"
/lab_host="DH108"
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/clone="IMAGE:4828451"
/clone_lib="NIH_MGC_97"
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                            High quality sequence stop: 1.
Location/Qualifiers
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Contract: Steve Johnson
Washington University School of Medicine
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
Email: est@watson.wustl.edu
Steve Johnson lab internal ID - P2 226 NOTE - For this library, the
CLONE id field represents a position identifier on the original
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Danio rerio

Bukario ketazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Actinoptery Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Actinoptery Metazoa; Chordata; Teleostei; Ostariophysi; Cypriniformes

1. Cyprinidae; Danio.

1. Chariolidae; Danio.

1. Chariolidae; Danio.

1. Chariolidae; Danio.

2. Marra,M.;

3. Marra,M.;

4. Mallier,L., Allen,M.;

5. Muchal.T., Lacy,M.;

5. Kucaba,T.;

6. Marra,M.;

7. Materaton,R.;

8. Mallior,L.;

8. Mortin,J.;

9. Mort
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similar to TR:G1002369 G1002369 COATOMER PROTEIN. ;, mRNA sequence
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7 CCAGCAGCTGA 17
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1 (Dases 1 to 46)

8 Marras, M., Hillier L., Allen, M., Bowles, M., Dietrich, N., Dubuque, T., Geisel, S., Kucaba, T., Lacy, M., Le, M., Martin, J., Morris, M., Schellenberg, K., Steptoe, M., Tan, F., Underwood, K., Moore, B., The staing, B., Wylle, T., Lennon, G., Soares, B., Wilson, R. and Washb-HHMI Mouse EST Project

1 Unpublished (1996)

1 Unpublished (1997)

2 Contact: Marra M/Mouse EST Project
Washb-HHMI Mouse EST Project
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                46 bp mRNA linear EST 16-MAR-1991 VG43h03.r Barstead bowel MPLRB9 Mus musculus cDNA clone IMAGE:1097045 5' similar to TR:Q28298 Q28298 RIBOSOME RECEPTOR.; AAR71967 AAR71967.1 GI:2967412 EST.
                                                                                                                                                                                                               EST 16-MAR-1998
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Possible reversed clone: similarity on wrong strand
Seq primer: -28ml3 rev2 ET from Amersham
High quality sequence stop: 1.
Location/Qualifiers
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|db_xref="taxon:10090"
|clone=lynd8:1097045"
|clone=lib="marstead bowel MPLRB9"
|fissue_type="bowel"
|dev_stage="8 weeks"
|lab_host="DH108"
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|strain="FVB/N"
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100.0%; Pre-
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Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
Institute of Medical Science, University of Tokyo
Brail: Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ins.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano
S. Construction and characterization of a full length-enriched and
a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
Location/Qualifiers
                                                                            Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Suzuki, Y. Yoshitomo-Nakagawa, K., Maruyama, K., Suyama, A. and Sugano, S. Construction and characterization of a full length-enriched and a 5'-end-enriched CDNA library. Gene 200 (1-2), 149-156 (1997).
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AU107011 Sugano Homo sapiens cDNA library Homo sapiens cDNA clone
HRC05201, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Hat,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakaki,H., Ota,T., Suyama,A. and Sugano,S.
Diverse transcriptional intiation revealed by fine, large-scale mapping of mRNA start sites
SEBO Rep. 2 (5), 388-393 (2001)
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/note="Differential display comparison of untreated and
dimethylfumarate treated U937 cells"
16 c 19 g 5 t
                                                                                                                                                                                                                                                                                                                             /clone lib="Sugano Homo sapiens cDNA library"
/note="Differential display comparison of untreated and
dimethylfumarate treated U937 cells"
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Pred. No. 4.7e+04;
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/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="HRC05190"
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  mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
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/clone="HRC05201"
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100.0%; Pred
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                                                               Contact: Yutaka Suzuki
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AU107010
BAU107010.
BST.
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Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Bukaryota; Metazoa; Chordata; Crarrini; Hominidae; Homo.

1 (bases I to 50)
Suzuki, Y., Taira, H., Tsunoda, T., Mizushima-Sugano, J., Sese, J., Hata, H., Ota, T., Isogai, T., Tanaka, T., Morishita, S., Okubo, K., Sakaki, Y., Nakamura, Y., Suyama, A. and Sugano, S.

ji, Nakamura, Y., Suyama, A. and Sugano, S.
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                                                                                                                     Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
I (bases 1 to 49)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
                                                                                                                                                                                                                                                               Contact: Robert Strausberg, Ph.D.

Email: cgapbs-rémail.nih.gov
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (life@image.llnl.gov) for further information.

Trace considered overall poor quality
Possible reversed clone: similarity on wrong strand
Insert Length: 991 Std Brror: 0.00
Seq primer: -28ml3 rev2 Ef from Amersham
High quality sequence stop: 1.

Location/Qualifiers
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similar to TR:G577061 G577061 LPAP. ;, mRNA sequence.
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                                      AA213878.1 GI:1812507
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Unpublished (1997)
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Best Local Similarity 100.
Matches 11; Conservative
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                                                                                                    Homo sapiens
                                                                                   human.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE
                                                                                                                                                                                                                                                                    COMMENT
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us-08-770-564a-14.oligo.rst

Fri Jun 27 07:41:36 2003

∂ 6

Search completed: June 23, 2003, 10:10:37 Job time : 878.636 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
```

OM nucleic - nucleic search, using sw model

June 23, 2003, 05:45:21 ; Search time 746.239 Seconds Run on:

(without alignments)
158.668 Million cell updates/sec

US-08-770-564A-14 17

1 CGGGCCAGCAGCTGACA 17 Perfect score: Sequence:

Scoring table:

OLIGO_NUC Gapop_60.0 , Gapext 60.0

7820798 seqs, 3482471992 residues Searched:

Total number of hits satisfying chosen parameters: 0 Word size :

8653682

Minimum DB seg length: 0 Maximum DB seg length: 50

Post-processing: Listing first 45 summaries

Database :

6/ptodata/1/pna/US10_NEW_COMB.seg3:* 6/ptodata/1/pna/US60 NEW_COMB.seq2:* 6/ptodata/1/pna/US60 NEW_COMB.seq2:* 6/ptodata/1/pna/US60_NEW_COMB.seg3:* ptodata/1/pna/USO8_NEW_COMB.seq:*
ptodata/1/pna/USO8_NEW_COMB.seq:*
ptodata/1/pna/USO9_NEW_COMB.seq:*
ptodata/1/pna/USO9_NEW_COMB.seq?
ptodata/1/pna/USO9_NEW_COMB.seq3:
ptodata/1/pna/USO9_NEW_COMB.seq3: Pending Patents NA New:*

1: /cgn2_6/ptodata/1/pna//

2: /cgn2_6/ptodata/1/pna//

4: /cgn2_6/ptodata/1/pna//

5: /cgn2_6/ptodata/1/pna//

6: /cgn2_6/ptodata/1/pna//

7: /cgn2_6/ptodata/1/pna//

7: /cgn2_6/ptodata/1/pna//

8: /cgn2_6/ptodata/1/pna//

9: /cgn2_6/ptodata/1/pna//

8: /cgn2_6/ptodata/1/pna//

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

| Result No. | Score | Query Match | Query Match Length DB | DB | ΩI | Description |
|---------------|-------|----------------|--------------------------|----|----------------------|-------------------|
| | . 17 | 100.0 | 19 | - | PCT-US03-04088-16 | Sequence 16, Appl |
| (7 | 17 | 100.0 | 19 | 7 | PCT-US03-04088-280 | Sequence 280, App |
| (1) | 17 | 100.0 | 22 | - | PCT-US02-33146-10 | Æ, |
| 4 | 17 | 100.0 | 30 | 10 | US-10-330-872-4 | Sequence 4, Appli |
| 4 1 | , 17 | 100.0 | 30 | 10 | US-10-330-872A-4 | Sequence 4, Appli |
| ¥ | 15 | 88.2 | 25 | σ | US-10-359-935-27 | 27, |
| Ü | 1 14 | 82.4 | 24 | 9 | US-09-536-058D-52 | |
| w | 3 14 | 82.4 | 25 | 12 | US-60-427-808-148950 | Φ |
| Ö | 13 | 76.5 | 15 | 10 | US-10-287-787-16506 | Sequence 16506, A |
| c 10 | 13 | 76.5 | 15 | 10 | US-10-287-787-18526 | Sequence 18526, A |
| c 11 | 13 | 76.5 | 16 | Φ | US-10-310-188-5556 | Sequence 5556, Ap |
| 17 | 13 | 76.5 | 17 | σ | US-10-303-778-7849 | Sequence 7849, Ap |
| 13 | 1 13 | 76.5 | 11 | σ | US-10-310-188-14135 | Sequence 14135, A |
| 14 | 113 | 76.5 | 17 | 0 | US-10-310-188-57644 | Sequence 57644, A |
| c 15 | 13 | 76.5 | 17 | 10 | US-10-299-054A-1993 | Sequence 1993, Ap |
| c 16 | 13 | 76.5 | 17 | 20 | US-10-299-054A-1994 | Sequence 1994, Ap |
| 17 | , 13 | 76.5 | 18 | 6 | US-10-310-188-39627 | Sequence 39627, A |
| c 18 | 3 13 | 76.5 | 18 | 10 | US-10-287-787-23414 | Sequence 23414, A |
| c 15 | 13 | 76.5 | 18 | 10 | US-10-287-787-23415 | Sequence 23415, A |
| c 2 | 13 | 76.5 | 24 | 10 | US-10-287-787-12803 | Sequence 12803, A |

| Seguence 467694, Seguence 391360, Seguence 421414, Seguence 455025, | Sequence 12804, A Sequence 15273, A Sequence 3950, Ap Sequence 3951, Ap | 2, Api 20, Ai 6537, 56. Ai | 557, 558, 559, | 561, 562, 563, 564, | Sequence 565, App Sequence 566, App Sequence 30, Appl Sequence 30, Appl Sequence 30, Appl |
|--|---|--|--|---|---|
| US-60-427-808-467694 US-60-427-836-391360 US-60-427-836-421414 US-60-427-836-455025 | -sn us- | PCT-US03-04250-62 PCT-US03-04250-320 US-10-303-778-16537 PCT-US03-04250-556 | PCT-US03-04250-557 PCT-US03-04250-558 PCT-US03-04250-559 PCT-US03-04250-560 | PCT-US03-04250-561 PCT-US03-04250-562 PCT-US03-04250-563 PCT-US03-04250-564 | PCT-US03-04250-565 PCT-US03-04250-566 US-09-398-858-30 US-10-320-230-30 US-10-348-110-30 |
| 2222 | 2222 | 4464 | | | 11966 |
| 222 222 222 | 39 15 18 18 | 19 19 20 21 | 12222 | 2222 | 22222 |
| 76.5 76.5 76.5 | 76.5 70.6 70.6 | 70.6 | 70.6 | 70.6 | 70.6 70.6 70.6 70.6 |
| 13 13 13 | 1221 | 1221 | 12222 | 1777 | |
| 22 23 24 24 | C 25 C 27 C 27 | C 29 | 0 0 0 38.83 86.83 86.83 86.83 | 2 3 3 3 4 4 0 4 0 4 | 4 4 4 4 1 4 4 4 4 1 4 5 5 5 |

ALIGNMENTS

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) OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense; OTHER INFORMATION: region
PCT-US03-04088-16
                                                               APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leoner
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REPERBINE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
                                                                                                                                                                                                                                                                                                                                                          PRIOR PELING DATE: 2002-04-04-05
PRIOR PELING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR PELING DATE: 2002-07-17
PRIOR PELING DATE: 2002-02-20
PRIOR PELING DATE: 2002-03-11
PRIOR PELING DATE: 2002-06-06
PRIOR PELING DATE: 2002-06-06
PRIOR PELING DATE: 2002-06-06
PRIOR PELING DATE: 2002-06-06
PRIOR PELING DATE: 2002-06-05
PRIOR PELING DATE: 2002-09-05
PRIOR PELING DATE: 2002-09-09
; Sequence 16, Application PC/TUS0304088 ; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 626
SOFTWARE: Patentin version 3.2
SEQ ID NO 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: RNA
ORGANISM: Artificial
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ö Gaps ö Query Match 100.0%; Score 17; DB 1; Length 19; Best Local Similarity 100.0%; Pred. No. 28; Matches 17; Conservative 0; Mismatches 0; Indels 0; Indels

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Mismatches
                                                                                                                                                                                                                                                                                                                                          Sequence 4, Application US/10330872
GENERAL INFORMATION:
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                                                                       1 CGGGCCAGCAGCTGACA 17
    17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-330-872-4
        Matches
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                                                                                                                                                                                                                                                                                                                                 APPLICANT: Ribozyme Pharmaccuticals, Inc.
APPLICANT: Ribozyme Pharmaccuticals, Inc.
APPLICANT: Bolgelman, James
APPLICANT: Belgelman, Jenned
APPLICANT: Belgelman, Leonid
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE OF INVENTION: Expression Using Short Interfering RNA (siNA)
FILE REFERENCE: 02-708-A (400/080)
CURRENT APPLICATION NUMBER: US 60/396,600
FRIOR APPLICATION NUMBER: US 60/395,80
FRIOR PILING DATE: 2002-02-20
FRIOR PELING DATE: 2002-02-01
FRIOR PELING DATE: 2002-03-11
FRIOR PELING DATE: 2002-03-11
FRIOR PELING DATE: 2002-06-06
FRIOR FILING DATE: 2002-06-06
FRIOR FILING DATE: 2002-06-06
FRIOR FILING DATE: 2002-06-06
FRIOR FILING DATE: 2002-09-05
FRIOR PELING DATE: 2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
100.0%; Score 17; DB 1; Length 19;
Best Local Similarity 94.1%; Pred. No. 28;
Matches 16; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 17; DB 1; Length 22;
Pred. No. 28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: University of Rochester Medical Center;
APPLICANT: University Telomerates Interference
ITILE OF INVENTION: Telomerates Interference
FILE REFERENCE: FP-71506-2/RFT/SRN
CURRENT PILIANG DATE: 2002-12-05
NUMBER OF SEQ ID NOS: 20
SOFTWARE: Patentin version 3.1
SEQ ID NO 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 626
SOFTWARE: Patentin version 3.2
SEQ. ID NO 280
LENGTH: 19
                                                                                                                                                                                                                                                                       Sequence 280, Application PC/TUS0304088 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%;
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; ORGANISM: Homo sapiens
PCT-US02-33146-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Artificial PEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RNA
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Sequence 4, Application US/10330872A

Sequence 4, Application US/10330872A

SEQUENCE 4, Application

APPLICANT: Geron Corporation

APPLICANT: Weinrich, Societ

APPLICANT: Meinrich, Societ

APPLICANT: Altimeon III, Edward

APPLICANT: Lichteteiner, Serge

APPLICANT: Lichteteiner, Serge

APPLICANT: Druzan, Ronald

TITLE OF INVENTION: Unible Drift

TITLE OF INVENTION: Unible Brite

TITLE OF INVENTION NUMBER: US/10/330,872A

CURRENT APPLICATION NUMBER: US/10/330,872A

CURRENT APPLICATION NUMBER: 08/510,736

PRIOR PELING DATE: 1999-08-04

PRIOR FILING DATE: 1999-04-04

PRIOR FILING DATE: 1999-10-18

PRIOR APPLICATION NUMBER: 09/420,056

PRIOR APPLICATION NUMBER: 09/410,18

PRIOR APPLICATION NUMBER: 09/410,18

PRIOR APPLICATION NUMBER: 09/410,18

PRIOR APPLICATION NUMBER: 09/410,18

PRIOR APPLICATION NUMBER: 09/410,18
GENERAL INFORMATION:

APPLICANT: Geron Corporation

APPLICANT: Weinrich, Scott

APPLICANT: Weinrich, Scott

APPLICANT: Atkinson III, Serward

APPLICANT: Lichtereiner, Serward

APPLICANT: Vasserot, Alain

APPLICANTON: Unimple: Unit this brown

TITLE OF INVENTION: Unimple: Unit this brown

FILE REPERENCE: 011/006C

CURRENT PELLATION NUMBER: 08/10,736

PRIOR FILING DATE: 1995-04-04

PRIOR FILING DATE: 1995-04-04

PRIOR APPLICATION NUMBER: 09/420,056

PRIOR APPLICATION NUMBER: 09/17,828

PRIOR APPLICATION NUMBER: 09/17,828

PRIOR PLING DATE: 1990-10-18

PRIOR APPLICATION NUMBER: 09/17,828

PRIOR APPLICATION NUMBER: 09/17,828

PRIOR PLING DATE: 1990-10-18

PRIOR APPLICATION NUMBER: 09/17,828

PRIOR APPLICATION NUMBER: 09/17,828

PRIOR PLING DATE: 1990-10-18

PRIOR APPLICATION NUMBER: 09/17,828

PRIOR APPLICATION NUMBER: 09/17,828

PRIOR APPLICATION NUMBER: 09/17,828

PRIOR APPLICATION NUMBER: 09/17,828

PRIOR PLING DATE: 1000-11-20

NUMBER 06 SEQ ID NOS: 11

SOOFWWARE: Patentin version 3.1
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                                                                                                 100.0%; Score 17; DB 10; Length 30; 100.0%; Pred. No. 27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIE: 9411-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATE:
FILING DATE: 07-Feb-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 9; Length 25; 2.9e+02;
                                                                                                                                          Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000821US
                                                                                                                                                                                                                                                                                                                                                                      Peng, Junii
Funk, Walter
Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
                                                                                                                                        0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/09/057,351
FILING DATE: 08-APR-1994
PAPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UUL-1994
APPLICATION NUMBER: US 08/330,123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 27-0CT-1994
APPLICATION NUMBER: US 08/472,802
FILING DATE: 07-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE DESCRIPTION: SEQ ID NO: 27:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               88.2%; Score 15; 100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                    Sequence 27, Application US/10359935
GENERAL INFORMATION:
APPLICANT: Villeponteau, Bryant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                             1 CGGCCAGCAGCTGACA 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STATE: California
                                                                                             Query Match
Best Local Similarity 100.0
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.(
Matches 15; Conservative
                TYPE: DNA
CORGANISM: Homo sapiens
US-10-330-872A-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: USA
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LENGTH: 30
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Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-60-427-808-148950
Sequence 148950, Application US/60427808
Sequence 148950, Application US/60427808
GENERAL INFORMATION:
APPLICANT: Xue mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILER REFERENCE: 35.8
CURRENT APPLICATION UNDER: US/60/427,808
CURRENT APPLICATION UNDER: 205-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 148950
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     82.4%; Score 14; DB 12; Length 25; 100.0%; Pred. No. 9.5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 82.4%; Score 14; DB 6; Length 24; Best Local Similarity 100.0%; Pred. No. 9.5e+02; Matches 14; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Feldmann, Richard J.; Global Determinants, Inc. TITLE OF INVENTION: Callobacter crescentus complete genome FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333 CURRENT APPLICATION NUMBER: US/10/287,787 NUMBER OF SEQ ID NOS: 27958 SOFTWARE: Proprietary
               Sequence 52, Application US/09536058D
SEQUENCE 52, Application US/09536058D
SERVERAL INFORMATION:
APPLICANT: BEGER, JACK
APPLICANT: WONG-STAAL, FLOSSIE
TITLE OF INVENTION: BRCA-1 REGULATORS AND METHODS OF USE
FILE REFERENCE: 039316/061 US/09/536,058D
CURRENT APPLICATION NUMBER: US/09/536,058D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA ORGANISM: Caulobacter crescentus complete genome.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 9
US-10-287-787-16506/c
; Sequence 16506, Application US/10287787
; GENERAL INFORMATION:
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100.08; Pi
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                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 236
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 52
LENGTH: 24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
US-09-536-058D-52/c
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LENGTH: 15
                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
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RESULT 14
US-10-188-57644
US-10-310-188-57644

J Sequence 57644, Application US/10310188

J Sequence 57644, Application US/10310188

J Sequence 57644, Application US/10310188

APPLICANT: ResettaGementics

TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GEN;

TITLE OF INVENTION: USES THERDOF

TITLE OF INVENTION: USES THERDOF

TITLE OF INVENTION: USES THERDOF

CURRENT APPLICATION NUMBER: US/10/310,188

CURRENT PILING DATE: 2002-12-19

NUMBER OF SEG ID NOS: 86841

SOFTWARE: Patentin version 3.1

LENGTH: 17
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US-10-310-188-14135

Sequence 14135, Application US/10310188

GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION:
CURRENT APPLICATION UNDER:
US/10/310,188

CURRENT APPLICATION OF 86841

SOFTWARE: Patentin version 3.1

SOFTWARE: Patentin version 3.1

SEQ ID NO 14135

LENGTH: 17
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                  APPLICATION ROBERTOR APPLICATION APPLICATION OF NOVEL VIRAL TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL TITLE OF INVENTION: REGULATORY GENES AND USES THEREOF FILE REFERENCE: 47416
CURRENT APPLICATION NUMBER: US/10/303,778
CURRENT FILING DATE: 2002-11-26
NUMBER OF SEQ ID NOS: 17608
SOFFTARE: Patentin version 3.1
SEQ ID NO 7849
LENGTH: 17
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1 GGCCAGCAGCTGA 13
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US-10-310-188-14135
                                                                                                                                                                                                                                                                                        ; TYPE: DNA; ORGANISM: Homo sapiens
US-10-303-778-7849
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TITLE OF INVEXTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENE
TITLE OF INVEXTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENE
FILE REFERENCE: 47487
CURRENT APPLICATION NUMBER: US/10/310,188
CURRENT FILING DATE: 2002-12-19
NUMBER OF SEQ ID NOS: 86841
SOFTWARE: PATENTIN VERSION 3.1
SEQ ID NO 5556
LENGTH: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Caulobacter crescentus complete genome.
FEATURE:
LOCATION: (2795857)...(2795871)
GOTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 20537
US-10-287-787-18526
; FEATURE:

; LOCATION: (2498897)...(2498911)

; LOCATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 18293

US-10-287-787-16506
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                                                                                                                     Query Match

76.5%; Score 13; DB 10; Length 15;
Best Local Similarity 100.0%; Pred. No. 3.2e+03;
Matches 13; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 18526, Application US/10287787
GENERAL INFORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.; APPLICANTION: Caulobacter crescentus complete genome.
TITLE OF INVENTION: Caulobacter crescentus complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT PELLORION NUMBER: US/10/287,787
NUMBER OF SEQ ID NOS: 27958
SEQ ID NO 18526
LENGTH: 15
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0x-10-310-188-5556/c
; Sequence 5556, Application US/10310188
; GENERAL INFORMATION:
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US-10-303-778-7849
; Segmence 7849, Application US/10303778
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; ORGANISM: Homo sapiens
US-10-310-188-5556
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TYPE: DNA

ORGANISM: Mycobacterium tuberculosis complete genome.

FEATURE:

OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 2403
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                                                                             RESULT 15

US-10-299-054A-1993/C

Sequence 1993, Application US/10299054A

Sequence 1993, Application US/10299054A

GENERAL INFORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Mycobacterium tuberculosis complete genome.
FILE REFERENCE: Jim Zegect Law Offices - 703-684-8333

CURRENT APPLICATION NUMBER: US/10/299,054A

CURRENT FILING DATE: 2003-03-03

NUMBER OF SEQ ID NOS: 11910

SOFTWARE: Proprietary

SEQ ID NO 1993

LENGTH: 17
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Job time : 746.239 secs
1 CGGGCCAGCAGCT 13
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June 23, 2003, 05:20:00 ; Search time 1425.83 Seconds (without alignments) 299.770 Million.cell updates/sec
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cgn2 6/ptodata/2/pna/USOB_COMB.seq:*
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cgn2 6/ptodata/2/pna/USOB9_COMB.seq:*
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/cgn2_6/ptodata/2/pna/US102A_COMB.seq:
/cgn2_6/ptodata/2/pna/US102B_COMB.seq:
GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              24791104 seqs, 12571243825 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Total number of hits satisfying chosen parameters:
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                                                                                                           OM nucleic - nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                         OLIGO_NUC
Gapop_60.0 , Gapext 60.0
                                                                                                                                                                                                                                                                        US-08-770-564A-14
17
1 CGGGCCAGCAGCTGACA 17
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Maximum DB seq length: 50
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44: /cgn2_6/ptcdata/2/pna/U86000_COMB.seq:*
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60: /cgn2_6/ptcdata/2/
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

| Description | Sequence 14, Appl Sequence 14, Appl | Sequence 20, Appl Sequence 4, Appli | Sequence 4, Appli | 4 | .7 | Sequence 27, Appl | Sequence 26, Appl | Sequence 44, Appl | Sequence 27, Appl | 52, | 25, | 12, | Sequence 2894, Ap | Sequence 11, Appl | Sequence 64639, A | Sequence 107046, | Sequence 64639, A | Sequence 107046, |
|---------------------|--|--|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|------------------|--------------------|-------------------|----------------------|-----------------------|----------------------|-----------------------|
| SUMMARIES | PCT-US97-23619-14 US-08-770-564A-14 | US-09-601-267-20 US-08-510-736-4 | US-09-717-828A-4 | US-09-717-829A-4 | US-08-472-802A-27 | US-08-472-802B-27 | US-08-482-115A-26 | US-08-521-634-44. | US-09-057-351-27 | US-09-536-058-52 | US-09-536-058C-52 | US-08-973-589-12 | US-09-164-961-2894 | US-08-521-634-11 | US-09-396-196F-64639 | US-09-396-196F-107046 | US-09-396-196G-64639 | US-09-396-196G-107046 |
| DB | 7.1 | 23 | 28 | 28 | 80 | œ | œ | σ | 14 | 20 | 20 | 13 | 15 | σ | 17 | 17 | 17 | 17 |
| Length DB | 17 | 25 30 | 30 | 30 | 25 | 52 | 25 | 25 | 25 | 24 | 24 | 42 | 14 | 24 | 25 | 25 | 25 | 25 |
| % Query Match | 100.0 | 100.0 | 100.0 | 100.0 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 82.4 | 82.4 | 82.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| Score | 17 | 17 | 17 | 17 | 15 | 15 | 15 | 15 | 15 | 14 | 14 | 14 | 13 | 13 | 13 | 13 | 13 | 13 |
| Result No. | 2 1 | K) 41 | 1 0 12 | , , | 80 | 6 | 10 | ij | 12 | c 13 | c 14 | c 15 | c 16 | c 17 | c 18 | c 1:9 | c 20 | c 21 |

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us-08-770-564a-14.oligo.rnpm

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Query Match
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 17; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                               LENGTH: 17 Dabe TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: Linear TOPOLOGY: DNA
                   17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-770-564A-14
                                                                                                  TOPOLOGY: 11
MOLECULE TYPE:
FEATURE:
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US-09-601-267-20
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            Sequence 58545, A Sequence 3647, Ap Sequence 3647, Ap Sequence 15273, A Sequence 15273, A Sequence 1505, A Sequence 1505, A Sequence 1085, A Sequence 24405, A Sequence 3950, Ap Sequence 3951, Ap Sequence 169, App
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PGT-USS-12319-1A

PGT-USS-12319-1A

SEQUENCE 14, Application PC/TUS9723619

GENERAL INFORMATION:

APPLICANT:
APPLICANTON
APPLI
         PCT-USO2-25943-58545
2 US-0-3-27-456-58645
2 US-0-3-37-424A-3647
2 US-0-3-37-424A-3647
2 US-0-3-37-424A-3647
2 US-0-25-434-1085
2 US-10-25-634-12405
2 US-10-227-663-12573
2 US-10-227-663-12573
2 US-10-227-663-12673
2 US-0-27-663-12673
3 US-0-3-708-685-1085
4 US-0-3-708-685-1085
4 US-0-3-708-685-1085
5 US-0-3-708-680-3951
6 US-0-3-708-680-3951
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PCT-US97-23619-14
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RESULT 2

US-08-770-564A-14

i Sequence 14, Application US/08770564A

i Sequence 14, Application US/08770564A

i SEQUENCIANT: Kealey, James T.

APPLICANT: Kealey, James T.

APPLICANT: Weinrich, Scott L.

ITLE OF INVENTION: Inhibitory Polynucleotides Directed

TITLE OF INVENTION: Inhibitory Polynucleotides Directed

TITLE OF INVENTION: Inhibitory Polynucleotides Directed

TITLE OF INVENTION: Against the RNA Component of Telomerase

NUMBER OF SEQUENCES: 15

CORRESPONDENCE ADDRESS: 15

CORRESPONDENCE ADDRESS: 15

CONTY: San Francisco Center, 8th Floor

CITY: San Francisco Center, 8th Floor

CITY: Ban Francisco Center, 8th Floor

CITY: Ban Francisco Center, 8th Floor

COMPUTER: ISP PC Compatible

COMPUTER: ISP PC Compatible

OPERATING SYSTEM: PC-0005/MS-DOS

SOFTWARE: PREDATON DATA:

APPLICATION NUMBER: US/08/770,564A

FILING DATE: 20-DEC-1996

CLASSIFICATION NUMBER: 32,944

APTORNEY/AGENT INFORMATION:

REFERENCE/DOCKET NUMBER: 32,944

REFERENCE/DOCKET NUMBER: 32,944

REFERENCE CHARACTERISTICS:

TELEPHONE: READENCE CHARACTERISTICS:

LENGHALION FOR READENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
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100.0%; Score 17; DB 11;
Best Local Similarity 100.0%; Pred. No. 1.3e+92;
Matches 17; Conservative 0; Mismatches 0;
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APPLICANT: William Nicol KEITH
TITLE OF INVENTION: Promoter Regions of the Mouse and Human Telomerase RNA Component
FILE REFERENCE: 9013.18
CURRENT APPLICATION NUMBER: US/09/601,267
CURRENT FILING DATE: 1999-01-29
PRIOR APPLICATION NUMBER: CT/GB99/00308
PRIOR PILING DATE: 1999-01-29
PRIOR PILING DATE: 1998-01-29
RIOR APPLICATION NUMBER: GB 9801902.9
PRIOR FILING DATE: 1998-01-29
RNUMBER OF SEQ ID NOS: 86
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 20
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Artificial Sequence
PEATURE:
CHER INFORMATION: Description of Artificial Sequence: Primer
US-09-601-267-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
100.0%; Score 17; DB 23; Length 25;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 17; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      B: Townsend and Townsend and Crew
One Market Plaza, Steuart Tower, Suite 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Weinrich, Scott L.
APPLICANT: Atkinson III, Edward M.
APPLICANT: Lichtsteiner, Serge
APPLICANT: Useserot, Alain P.
APPLICANT: Vasserot, Alain P.
APPLICANT: Pruzan, Ronald A.
IITLE OF INVENTION: Methods for Purifying Telomerase CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
RAPLICATION NUMBER: US/08/510,736
FILING DATE: Q-AUG-1995
CLASSIPICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: Smitch, William M.
REGISTRATION NUMBER: 30,223
REPERENCE/DOCKET NUMBER: 015389-001100
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-226
Sequence 20, Application US/09601267
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 4, Application US/08510736 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 CGGCCCAGCAGCTGACA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: 415-2.
INPORMATION FOR SEQ ID NO: 4
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STREET: ONE MAINLE
STREET: ONE MAINLE
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-510-736-4
                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
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                                                    ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 30;
  Length 30;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Welfirich, Scott L
APPLICANT: Ackinson III, Edward M
APPLICANT: Ackinson III, Edward M
APPLICANT: Lichteteiner, Serge P
APPLICANT: Lichteteiner, Serge P
APPLICANT: Lichteteiner, Serge P
APPLICANT: Pruzan, Ronald A
FILLE OF INVENTION: A Method for Purifying Telomerase
FILE REFERENCE: PurifiedTelomeraseOllbase
CURRENT APPLICATION NUMBER: US/09/717,828B
CURRENT APPLICATION NUMBER: 09/420,056
PRIOR APPLICATION NUMBER: 09/420,056
PRIOR FILLING DATE: 1999-10-18
PRIOR FILLING DATE: 1997-04-04
PRIOR FILLING DATE: 1997-04-04
PRIOR FILLING DATE: 1997-04-04
NUMBER: PRIOR PLICATION NUMBER: 08/510,736
NUMBER: OF SEG ID NOS: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 17; DB 28;
100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0;
100.0%; Score 17; DB 9;
100.0%; Pred. No. 1.3e+02
:ive 0; Mismatches C
                                                                                                                                                                                                                                                                                                                       APPLICANT: Weinrich, Scott L
APPLICANT: Atkinson III, Edward M
APPLICANT: Lichtsteiner, Serge P
APPLICANT: Useserot, Allain P
APPLICANT: Vasserot, Allain P
APPLICANT: Pruzan, Ronald A
TITLE OF INVENTION: Purified Telomerase
FILE REPERENCE: PurifiedTelomeraseOllbase
CURRENT APPLICATION NUMBER: US/09/717,828A
CURRENT FILING DATE: 2000-11-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: 08/833,377
PRIOR FILING DATE: 1997-04-04
PRIOR FILING DATE: 1997-04-04
PRIOR FILING DATE: 1995-08-04
NUMBER OF SEQ ID NOS: 11
SOFTWARE: Patentin Ver. 2.1 (edited)
LENGTH: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: 09/420,056
PRIOR FILING DATE: 1999-10-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 4, Application US/09717828B GENERAL INFORMATION:
                                                                                                                                                                                                                                                  US-09-717-828A-4; Sequence 4, Application US/09717828A; GENERAL INFORMATION:
                                                                                                      1 CGGGCCAGCAGCTGACA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17; Conservative
                                                  17; Conservative
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Best Local Similarity
Query Match
Best Local Similarity
Matches 17; Conserv
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COTHER INFORMATION: Biotin 5'-terminal

OTHER INFORMATION: Description of Artificial Sequence: Affinity Agent
US-09-717-8288-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; OTHER INFORMATION: Biotin 5'-terminal ; OTHER INFORMATION: Description of Artificial Sequence: Affinity Agent US-09-717-829A-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 30;
                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 17; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION, SCOTE L
APPLICANT: Atkinson III, Edward M
APPLICANT: Atkinson III, Edward M
APPLICANT: Atkinson III, Edward M
APPLICANT: Useserot, Allain P
APPLICANT: Vasserot, Allain P
APPLICANT: Prizan, Ronald A
TITLE OF INVENTION: A Method for Purifying Telomerase
TITLE OF INVENTION: A Method for Purifying Telomerase
CURRENT PILICATION NUMBER: US/09/17,829
CURRENT FILING DATE: 2000-11-20
FRIOR FILING DATE: 1999-10-18
FRIOR PILING DATE: 1999-10-18
FRIOR PILING DATE: 1999-10-18
FRIOR PILING DATE: 1999-10-18
FRIOR PILING DATE: 1995-04-04
FRIOR PILING DATE: 1995-08-04
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100.0%; Score 17; DB 28;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 17; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Fink, Walter
APPLICANT: Feng, Junii
APPLICANT: Funk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ', Application US/08472802A FORMATION.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Application US/09717829A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Artificial Sequence
TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    : Two Embarca
San Francisco
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LOCATION: (1)
                                                                                           NAME/KEY: misc_feature
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 27, Application US/08472802B
GENERAL INPORMATION:
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junial
TITLE OF INVENTION: Mammalian Telomerage
NUMBER OF SEQUENCES: 43
CORRESONDENCE ADDRESS:
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
ZIP: 941113834

COMPUTER READABLE FORM:
COMPUTER: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATEMENT Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,802A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Patentin Release #1.0, Version #1.30
                                                                                                                                                     FILING DATE: 07-00N-1995
CLASSIFICATION NUMBER: US 08/272,102
FILING DATE: 07-00N-1994
PRIOR APPLICATION DATE:
APPLICATION NUMBER: US 08/320,123
FILING DATE: 27-00T-1994
ATTORNEY/AGENT INFORMATION:
NAME: SEPERANCE/DOCKET NUMBER: 15389-000820
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
INFORMATION FOR SEQ ID NO: 27: SEQUENCE HARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SITALE: COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPDY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: PatentIn Release #1.0, Vers
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,802B
FILING DATE: 07-JUN-1995
                                                                                                            05/08/472,802A
07-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIPICATION: 514
PRIOR APPLICATION DATA:
APPLICATION UNBER: US 08/272,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION DATA:
APPLICATION UNBER: US 08/330,123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 88.2%;
Best Local Similarity 100.0%;
Matches 15; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9 GGCCAGCAGCTGACA 23
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US-08-472-802A-27
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US-08-472-802B-27
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Gaps
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APPLICANT: Villeponteau, Bryant
APPLICANT: Funk, Walter
APPLICANT: Andrews, William
APPLICANT: Andrews, Sunte 2000
CITY: San Francisco
CITY: San Francisco
STATE: California
                                    Length 25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWALLAGE SYSTEM: "C-LOUS/MS-LOUS
SOFTWALES PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/521,634
FILING DATE: 31-AUG-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/482,115
FILING DATE: -T-UNN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/472,802
FILING DATE: 27-OCT-1994
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/322,102
FILING DATE: 7-UL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Dunn, Tracy J.
RESISTRATION NUMBER: 34,587
RESISTRATION NUMBER: 34,587
RESISTRATION NUMBER: 34,587
                               DB 8; Le
. 1.3e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1.3e+03;
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Mismatches
                                                                                   Mismatches
                                    Score 15;
Pred. No
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 94105
COMPUTER REALABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                               RESULT 11
VS-08-221-634-44
Sequence 44, Application US/08521634
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               88.2.,
100.0%; Pir
                               ch 88.2%; Sci
1 Similarity 100.0%; Pi
15; Conservative 0;
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DNA (primer)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 25 base pairs TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       linear
                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRANDEDNESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; ANTI-SENSE:
US-08-521-634-44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY:
                                                                                Matches
                                                                                                                                                                        q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
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                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 88.2%; Score 15; DB 8; Length 25; Best Local Similarity 100.0%; Pred. No. 1.3e+03; Matches 15; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/482,115A
FILING DATE: 07-JUN-1995
CLASSIFICATION NUMBER: US/08/482,115A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/22,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 15389-000830
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Townsend and Townsend and Crew LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: FENG, Junia
APPLICANT: FENG, Junia
APPLICANT: FUNK, Walter
APPLICANT: ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELOWERASE
NUMBER OF SEQUENCES: 34
CORRESPONDENCE SS:
ADDRESSEE: Townsend and Townsend and Crew Li
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STRTE: California
COUNTRY: US
                                                                                                      15389-000820
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 26, Application US/08482115A
GENERAL INFORMATION:
APPLICANT: VILLEPONTEAU, Bryant
FILING DATE: 27-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: SMALC, WAlliam M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 1538:
TELECHONE: (415) 576-0200
TELEPHONE: (415) 576-0300
TELEPK: (415) 576-0300
TELEPK: (415) 576-0300
TELEPK: (55) 576-0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  VILLEPONTEAU, Bryant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: (415) 326-2400
TELEPAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 26: SEQUENCE CHARACTERISTICS: LENGTH: 25 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3 GGCCAGCAGCTGACA 17
                                                                                                                                                                                                                                                                                                               ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-472-802B-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-482-115A-26
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FEATURE:
COTHER INFORMATION: Description of Artificial Sequence: synthetic
COTHER INFORMATION: primer
US-09-536-058-52
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APPLICANT: ALCEATE, CARACT
APPLICANT: ALCEATE, CARACT
APPLICANT: ALCEATE, CARACT
APPLICANT: APPLICANT: ACCORATION
TITLE OF INVENTION: TELOMBRASE
TITLE OF INVENTION: TELOMBRASE
FILE REFERENCE: CSHLDS-0.2A
CURRENT APPLICATION NUMBER: US/08/973,589
CURRENT FILING DATE: 1996-08-20
FRIOR APPLICATION NUMBER: DCT/US96/09517
FRIOR FILING DATE: 1996-06-06
FRIOR FILING DATE: 1996-06-06
FRIOR REPLIATION NUMBER: US
FRIOR FILING DATE: 1996-06-06
FRIOR PELING DATE: 1996-06-06
FRIOR REPLIATION NUMBER: US
FRIOR FILING DATE: 1996-06-07
FRIOR FILING DATE: 1996-06-07
FRIOR FILING DATE: 1996-06-07
FRIOR PRIOR PRIOR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Garganere 52, Application US/09536058C
; Sequence 52, Application US/09536058C
; GENERAL INFORMATION:
APPLICANT: BEGER, CARMELA
; APPLICANT: BARBER, JACK
; APPLICANT: WONG-STAAL, FLOSSIE
; TITLE OF INVENTION: BRCA-I REGULATORS AND METHODS OF USE
; TILE REPERRNCE: 039316/06601
; CURRENT APPLICATION NUMBER: US/09/536,058C
; CURRENT APPLICATION NUMBER: 200-03-23
; NUMBER OF SEQ ID NOS: 236
; SOOTWARE: Patentin Ver. 2.1
; SEQ ID NO 52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 82.4%; Score 14; DB 20; Length 24; Best Local Similarity 100.0%; Pred. No. 4.2e+03; Matches 14; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                Length 24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 82.4%; Score 14; DB 20; I Best Local Similarity 100.0%; Pred. No. 4.2e+03; Matches 14; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: Synthetic Oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 12, Application US/08973589 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                               TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 CGGGCCAGCAGCTG 14
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PatentIn Ver. 2.1
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US-08-973-589-12/c
SOFTWARE: Pa
SEQ ID NO 52
LENGTH: 24
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| Sequence 52, Application US/09536058
| Sequence 52, Application US/09536058
| Seguence 52, Application US/09536058
| APPLICANT: Barber, Jack
| APPLICANT: Wong-Staal, Plossie
| TITLE OF INVENTION: BRCA-1 Regulators and Methods of Use
| FILE REPERENCE: P-IU 3842
| CURRENT FILLIOR DATE: 2000-03-23
| *UMBER OF SEQ ID NOS: 231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STATE: CALLLOLLE.
COUNTRY: UBAA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OMPRATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN RC-BOS/MS-DOS
SOFTWARE: PATENTIN RC-BOS/MS-DOS
SOFTWARE: PATENTIN BADA:
APPLICATION NUMBER: US/09/057,351
FILING DATE: 07-011-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FRING DATE: 07-011-1994
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-0CT-1994
PRIOR APPLICATION NUMBER: US 08/472,802
FILING DATE: 07-011-1995
ATTORNEY/AGENT INFORMATION:
NAME: SLOCETING DATE: 015389-000821US
FREERROCE/DOCKET NUMBER: 015389-000821US
FREERROCE/DOCKET UNED NUMBER: 015389-000821US
FREERROCE/DOCKET U
                                                                                                                                                                                                 APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junii
APPLICANT: Peng, Junii
APPLICANT: Peng, Junii
APPLICANT: Peng, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
CORRESPONDENCES: 42
ADDRESSE: Townsend and Townsend and Crew LLP:
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.
Matches 15; Conservative
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US-08-973-589-12
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Query Match 82.4%; Score 14; DB 13; Length 42; Best Local Similarity 100.0%; Pred. No. 4.16+03; Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps

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1 CGGGCCAGCAGCTG 14 ||||||||||||| 39 CGGGCCAGCAGCTG 26

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22 51754756546516 28

Search completed: June 23, 2003, 16:08:25 Job time: 1426.91 secs

Scoring table:

Word size :

Searched:

Database :

Perfect score:

Run on:

Sequence:

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Sequence 1733, Ap Sequence 1783, Ap Sequence 1783, Ap Sequence 1783, Ap Sequence 2007, Ap Sequence 2355, Ap Sequence 2667, Ap Sequence 1597, Ap Sequence 178, Appl Sequence 17, Appl Sequence 18, Appl Sequence 8533, Ap Sequence 8533, Ap
                                                                                                                                                                                                                                                                                                                                                                                    Sequence 1442, Ap
                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 26, Appl
Sequence 26, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 3966, F
Sequence 3967, P
Sequence 1409, P
Sequence 1410, A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 26,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: TBM PC compatible
OPERATIOG SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/057,351
FILING DATE: 08-APR-1994
CLASSIFICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION NUMBER: US 08/472,802
FILING DATE: 07-JUN-1995
ATTONEY/AGENT INFORMATION:
ANAMERICATION NUMBER: US 08/472,802
FILING DATE: 07-JUN-1995
ATTONEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                           0 US-09-504-231A-1442

0 US-09-274-553D-1442

US-10-104-611-26

US-10-112-547-26

US-10-112-241-26

US-09-818-875-3966

US-09-818-875-3967

US-09-818-875-3967

US-09-877-478-1409

US-09-877-478-1410
US-10-244-715-21

US-09-504-231A-1733

US-09-504-231A-1733

US-09-704-231A-1733

US-09-274-553D-1733

US-09-274-553D-1733

US-09-730-289B-2444

US-09-730-289B-2444

US-09-730-289B-2647

US-09-648-754A-86533
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: Two Embarcadero Center, Eighth Ploor CITY: San Francisco STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Junli
APPLICANT: Punk, Walter
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
NUMBER OF SEQUENCES: 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 27, Application US/09057351 Patent No. US20010034439A1 GENERAL INFORMATION:
         CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: USA
ZIP: 94111-3834
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STATE: CE
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 1
US-09-057-351-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 18, Appl
Sequence 2064, Ap
Sequence 2661, Ap
Sequence 2713, Ap
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 32486, A Sequence 18, Appl Sequence 9, Appli Sequence 120, App Sequence 117, App
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Sequence 8229, Ap
Sequence 5, Appli
Sequence 9, Appli
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Sequence 4, Appli
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Sequence 30, Appl
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Sequence 121, App
Sequence 318, App
                                                                                                                                                        June 23, 2003, 06:41:29 ; Search time 136.61 Seconds (without alignments) 182.610 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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1: /cgn2_6/ptodata/1/pubpna/USO7_PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubpna/PUT_NEW PUB.seq:*
2: /cgn2_6/ptodata/1/pubpna/USO6_NEW PUB.seq:*
4: /cgn2_6/ptodata/1/pubpna/USO6_NEW PUB.seq:*
5: /cgn2_6/ptodata/1/pubpna/USO6_NEW PUB.seq:*
6: /cgn2_6/ptodata/1/pubpna/USO8_NEW PUB.seq:*
7: /cgn2_6/ptodata/1/pubpna/USO8_NEW PUB.seq:*
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10: /cgn2_6/ptodata/1/pubpna/USO9_NEW PUB.seq:*
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14: /cgn2_6/ptodata/1/pubpna/USO0_NEW PUB.seq:*
                          GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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US-09-949-427-318
US-10-098-263B-32486
US-09-815-171A-18
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US-10-215-112-2064
US-09-930-423-261
US-09-830-423-2713
US-09-848-754A-7985
US-09-848-75A-8229
US-09-943-722-5
US-09-943-722-5
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US-09-972-656-120
US-09-961-077-417
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Total number of hits satisfying chosen parameters:
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US-09-942-374-4
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                                                                                                                OM nucleic - nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Post-processing: Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                              OLIGO_NUC
Gapop_60.0 , Gapext 60.0
                                                                                                                                                                                                                                                 US-08-770-564A-14
17
1 CGGCCAGCAGCTGACA 17
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Match Length DB
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Maximum DB seq length: 50
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Score

Result Š.

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SEQ ID NO 2661
LENGTH: 38
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TITLE OF INVENTION: Chimeric Oligonucleotides and the Use Thereof
FILE REFRENCE: 101195-24
CURRENT APPLICATION NUMBER: US/09/817,387
CURRENT FILING DATE: 2001-03-26
PRIOR APPLICATION NUMBER: DE 197 20 151.2
PRIOR FILING DATE: 1997-05-02
NUMBER OF SEQ ID NOS: 29
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                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INCORMATION:
APPLICANT: Lowe, Keith S.
APPLICANT: Lowe, Keith S.
APPLICANT: Lowe, Yumin
APPLICANT: Gordon-Kamm, William J.
APPLICANT: Geodory, Carolyn A.
APPLICANT: Gregory, Carolyn A.
APPLICANT: Gregory, Carolyn A.
APPLICANT: Hoerster, George J.
TITLE OF INVENTION: Cyclin D Polynucloetides, Polypeptides
TITLE OF INVENTION: Cyclin D Polynucloetides, PILE REPERENCE: 0926D
CURRENT APPLICATION NUMBER: 00/10/320, 230
CURRENT APPLICATION NUMBER: 00/212-16
PRIOR APPLICATION NUMBER: 00/213
PRIOR PLILING DATE: 1999-09-20
NUMBER OF SEQ ID NOS: 30
SOFTWARE: FaetSEQ for Windows Version 3.0
SEQ ID NO 30
ILENGTH: 23
TYPE: DNA
ORGANISM: Zea mays
FEATURE: EARLYNER: 2
                                                                                                                                                                                             Score 15; DB 10; Length 25;
Pred. No. 22;
                                                                                                                                                                                                                                 0; Indels
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Publication No. US20030110529Al
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Patent No. US20010039263A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                       3 GGCCAGCAGCTGACA 17
TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: 2 SEQUENCE CHARACTERISTICS: LENGTH: 25 base pairs
                                                                                                                                                                           Query Match
Best Local Similarity 100.0
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Best Local Similarity 100
Matches 12; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ) NAME/KEY: primer bind;
; LOCATION: (1)...(23)
US-10-320-230-30
                                                                              TYPE: nucleic aci
STRANDEDNESS: sin
                                                                                                                  ; TOPOLOGY: linear; MOLECULE TYPE: DNA US-09-057-351-27
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US-10-320-230-30
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Sequence 2661, Application US/09930423

Publication No. US20030092003A1

GENERAL INFORMATION:
APPLICANT: Riborayme Pharmaccuticals, Inc.
APPLICANT: Blact, Larry
APPLICANT: McSwiggen, Jim
FILE REFERENCE: MBH800,918-4400/027
CURRENT APPLICATION NUMBER: US/09/930,423
CURRENT APPLICATION NUMBER: US/09/930,423
CURRENT FILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
SOFTWARE: Patentin version 3.0
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| SEQ ID NO 18
| TENGTH: 23
| TYPE: DNA
| ORGANISM: Artificial Sequence
| CREANISM: Artificial Sequence
| OTHER INFORMATION: Discription of Combined DNA/RNA Molecule:
| OTHER INFORMATION: Oligonuclectides | InfoRes between positions | OTHER INFORMATION: Logonuclectides | InfoRes between positions | OTHER INFORMATION: Dositions | 1c 20 are phosphodisesters | OTHER INFORMATION: positions | 1c 20 are phosphodisesters | OTHER INFORMATION: positions | 1c 20 are phosphodisesters | OTHER INFORMATION: InfoRes between positions | OTHER INFORMATION: InfoRes between positions | COTHER INFORMATION: InfoRes between positions | COTHER INFORMATION: phosphorothioates | US-09-817-387-18
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Best Local Similarity 100.0%; Pred. No. 9.7e+02;
Matches 12; Conservative 0; Mismatches 0; Indels
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TITLE OF INVENTION: Method of Genetic Analysis of Probes:
TITLE OF INVENTION: Test3
TITLE OF INVENTION: Test3
TITLE OF INVENTION: Test3
TITLE OF INVENTION: Test3
CURRENT APPLICATION NUMBER: US/10/215,112
CURRENT APPLICATION NUMBER: US/10/215,112
CURRENT FILING DATE: 2002-08-08
NUMBER OF SEQ ID NOS: 14936
SECTION 02 064
LENGTH: 25
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70.6%; Score 12; DB 9; Le
Best Local Similarity 100.0%; Pred. No..9.6e+02;
Matches 12; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 2064, Application US/10215112 Publication No. US20030082596A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA ORGANISM: Artificial Sequence
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US-09-930-423-2661
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
TITLE OF INVENTION: Bnzymatic Nucleic Acid Treatment of Diseases or Conditions Relat TITLE OF INVENTION: Levels of Epidemal Growth Factor Receptors
FILE REFERENCE: MBHB00-558-I (400/018)
CURRENT APPLICATION NUMBER: US/09/848,754A
CURRENT FILING DATE: 2001-05-03
NUMBER OF SEQ ID NOS: 9645
SOFTWARE: Patentin version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Enzymatic Nucleic acid
US-09-848-754A-8229
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TITLE OF INVENTION: INHIBITORY/INSTABILITY REGIONS OF MRNA
NUMBER OF SEQUENCES: 130
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 48;
                                       Indels
                   Pred. No. 8.8e+02; Hismatches 0;
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                                                                                                                                                                                                                             Sequence 8229, Application US/09848754A Publication No. US20030073207A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/050,478
FILING DATE: 26-0CT-1994
CLASSIPICATION DATA:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC COMPATIBLE
OPERATING SYGTEM: PC-DOS/MS-DOS
SOFTWARE: WORDERPECT 5.1
CUCREENT APPLICATION DATA:
APPLICATION NUMBER: US/09/943,722
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/850,049
100.0%; Pic
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Publication No. US20020192660A1
GENERAL INFORMATION:
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IBM PC COMPATIBLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  T: 345 PARK AVENUE
NEW YORK
NEW YORK
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Best Local Similarity luv.
Best Local 2; Conservative
                 Best Local Similarity 100.
Matches 12; Conservative
                                                                                                              37 CGGCCAGCAGC 48
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MEDIUM TYPE: FLOPPY
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                                                                                                                                                                                        RESULT 8
US-09-848-754A-8229
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US-09-943-722-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: RNA
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TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OP INVENTION: Levels of Epidemal Growth Factor Receptors
FILE REFERENCE: MHHB00-958-I (400/018)
CURRENT APPLICATION NUMBER: US/09/848,754A
NUMBER OF SEQ ID NOS: 9645
SOFTWARE: Patentin version 3.0
                                                                                                                                                                                                                                                                                                                                                                         RESULT 6
US-09-930-423-2713

Sequence 2713, Application US/09930423

Sequence 2713, Application US/09930423

Sequence 2713, Application US/09930423

Sequence 2713, Application US/09930423

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: McSwiggen, Jim

TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease

FILE REFERENCE: MBHB00, 212-A 400/027

CURRENT APPLICATION NUMBER: 2001-08-15

NUMBER OF SEQ ID NOS: 4553

SOFTWARE: PatentIn version 3.0

SEQ ID NO 2713

LENGTH: 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: Description of Artificial Sequence: Enzymatic Nucleic Acid
NAME/KEY: misc feature
LOCATION: (31)...(31)
CTHER INFORMATION: n stands for inosine
US-09-930-423-2713
                                                       OTHER INFORMATION: Description of Artificial Sequence: Enzymatic Nucleic Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: Description of Artificial Sequence: Enzymatic Nucleic acid
US-09-848-754A-7985
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                                                                                                                                                                                        Length 38;
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                                                                                                                                                                                                                             0; Indels
                                                                                                                                                                                   Score 12; DB 9; I
Pred. No. 9.1e+02;
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                                                                                  CTHER INFORMATION: n stands for inosine US-09-930-423-2661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 7985, Application US/09848754A Publication No. US20030073207A1 GENERAL INFORMATION:
           ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Artificial Sequence
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                                                                                                                                                                                   Query Match 70.6%;
Best Local Similarity 91.7%;
Matches 11; Conservative
                                                                                                                                                                                                                                                                        4 GCCAGCAGCTGA 15
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                                                                           NAME/KEY: misc_feature
LOCATION: (31)..(31)
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Best Local Similarity
Matches 11; Conserv
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LENGTH: 48
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(Docket No. US20020061850A1 LIO-81-WO)
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S-uy-a4-2,4,4
Patent No. US20020137063A1
GENERAL INFORMATION:
APPLICANT GLUCKEMBAIN, Maria Alexsandra
APPLICANT: Gimeno, Ruth
APPLICANT: Winte, David
TITLE OF INVENTION: 57242, a Human G-Protein Coupled
TITLE OF INVENTION: S7242, a Human G-Protein Guges Therefor
FILE REPERENCE: MP12000-368PLR
CURRENT APPLICATION NUMBER: US/09/942,374
                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 70.6%; Score 12; DB 9; Length 50; Best Local Similarity 100.0%; Pred. No. 8.8e+02; Matches 12; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 3.5e+03;
Matches 11; Conservative 0; Mismatches 0;
ATTORNEY/AGENT INFORMATION:
NAME: MOREY: MARY 34 398
REGISTRATION NUMBER: 34 398
REFERENCE/DOCKET NUMBER: 2026-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)758-6849
INFORMATION FOR SEQ ID NO: 9: SEQUENCE CHARACTERISTICS:
LENGTH: 50 BASE PAIRS
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
1 COPOLOGY: LINEAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4 GCCAGCAGCTG 14
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CORGANISM: Homo sapiens
US-09-879-792-9
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US-09-431-722-9

US-09-431-722-9

Sequence 9, Application US/08943722

Publication No US20020192660A1

GENERAL INFORMATION:

APPLICANT:
APPLICA
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                     APPLICATION NUMBER: PCT/US93/02908
FILING DATE: 29-MAR-1993
CLASSIPICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/858,747
FILING DATE: 27-MAR-1992
CLASSIPICATION: ANARY JA 1992
ATTORNEY/AGENT INFORMATION:
NAME: MORRY, MARY JA 34,398
REGISTRATION NUMBER: 2026-4006US1
FELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE

10S-09-943-722-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/050,478

FILING DATE: 26-0CT-1994

CLASSIPICATION NUMBER: PCT/US93/02908

FILING APPLICATION NUMBER: PCT/US93/02908

FILING DATE: 29-MAR-1993

FILING DATE: 29-MAR-1993

FILING APPLICATION:

PRIOR APPLICATION NUMBER: US 07/858,747

FILING DATE: 27-MAR-1992

CLASSIPICATION NUMBER: US 07/858,747

FILING DATE: 27-MAR-1992
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Gaps

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0; Indels

Length 21;

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CURRENT APPLICATION NUMBER: US/10/098,263B
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR PILING DATE: 2001-03-16
NUMBER OF SEQ. ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 32486
                                                                                                                                                                                                                                                                          Query Match 64.7%; Score 11; DB 9; L. Best Local Similarity 100.0%; Pred. No. 3.5e+03; Matches 11; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Pred. No. 3.4 ive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-098-263B-32486/C
; Sequence 32486, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mitchan, Michael
; TILLE OF INVENTION: Human Microarray
FILE REFERENCE: 3118.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Search completed: June 23, 2003, 20:01:35 Job time: 137.61 secs
    PRIOR APPLICATION NUMBER: 60/231,322
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 405
SOFTWARE: Patentin version 3.1
SEQ ID NO 318
LENGTH: 21
                                                                                                                                                                                   FEATURE:
; OTHER INFORMATION: Synthetic Primer US-09-949-427-318
                                                                                                                                        TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 100.
Matches 11, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
CORGANISM: Homo sapien
US-10-098-263B-32486
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APPLICANT: Tafuri, Sherrie
APPLICANT: Wu, Chenyan
TITLE OF INVENTION: Gene and Sequence Variation Associated with Cancer
                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: LEX M. COMBERT:

TITLE OF INVENTION: ANTISENSE MODULATION OF DAXX EXPRESSION
FILE REPRENSE TYSP-0563
CURRENT APPLICATION NUMBER: US/10/181,846
CURRENT FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: PCT/US01/01416
PRIOR FILING DATE: 2001-01-16
PRIOR FILING DATE: 2001-01-16
PRIOR FILING DATE: 2000-01-24
NUMBER OF SEQ ID NOS: 176
SEQ ID NO 121
LENGTH: 20
                                                                                                                                                                                                                                                                                                 Query Match 64.7%; Score 11; DB 10; Length 19; Best Local Similarity 100.0%; Pred. No. 3.5e+03; Matches 11; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       64.7%; Score 11; DB 9; Length 20; 100.0%; Pred. No. 3.5e+03; Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                           ; OTHER INFORMATION: murine 57242 primer sequence US-09-942-374-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     , OTHER INFORMATION: Antisense Oligonucleotide US-10-181-846-121
CURRENT FILING DATE: 2001-08-29
PRIOR APPLICATION NUMBER: US 60/228,409
NUMBER OF SEQ ID NOS: 9
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/09/949,427 CURRENT FILING DATE: 2001-09-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 121, Application US/10181846
Publication No. US20030083297A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Application US/09949427
0. US20030054418A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Bodnar, Jackie S.
APPLICANT: Castellani, Lawrence W.
APPLICANT: Chatterjee, Aurobindo
APPLICANT: de Jong, Pieter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILE REFERENCE: 02810.0014.NPUSO2
                                                                                                                                                           TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA ORGANISM: Artificial Seguence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Lusis, Aldons J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Nicholas M. Dean
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 100.
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                         6 CAGCAGCTGAC 16
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Publication No. US200
GENERAL INFORMATION:
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US-10-181-846-121
                                                                                                              SEQ ID NO 4
LENGTH: 19
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APPLICANT:
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Score 11; DB 9;

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                                                                                                                                                                                                                                                                                                     RESULT 1
US-08-770-565-14
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Sequence 8292, Ap
Sequence 8293, Ap
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                                                                                                   (without alignments)
195.867 Million cell updates/sec
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 368,
Sequence 8, A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 26,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 9,
Sequence 5,
Sequence 9,
Sequence 5,
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Sequence 9
Sequence 5
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Sequence 1
Sequence 1
Sequence 7
                                                                                     June 23, 2003, 04:53:08 ; Search time 26.6175 Seconds
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                                                                                                                                                                                                                                                                                          609818
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(cgn2_6/ptodata/2/ina/5A_COMB.seq:*

(cgn2_6/ptodata/2/ina/6A_COMB.seq:*

(cgn2_6/ptodata/2/ina/6A_COMB.seq:*

(cgn2_6/ptodata/2/ina/6B_COMB.seq:*

(cgn2_6/ptodata/2/ina/6B_COMB.seq:*

(cgn2_6/ptodata/2/ina/bcTUS_COMB.seq:*

(cgn2_6/ptodata/2/ina/pcTUS_COMB.seq:*
           GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-472-802C-27
US-08-584-040-8293
US-08-584-040-8293
US-07-720-222-41
US-08-850-049-9
US-08-850-049-9
US-08-850-049-9
US-08-050-478-5
US-07-858-7478-9
US-07-858-7478-9
US-07-4117-9
US-09-414-117-9
US-09-414-117-9
US-09-678-437-5
US-09-678-437-5
US-09-678-437-5
US-09-678-437-5
US-09-678-437-5
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US-08-482-115B-32
                                                                                                                                                                                                                                                                                       Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           -08-257-784A-8
                                                                                                                                                                                                                                    441362 seqs, 153338381 residues
                                                           - nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                         Post-processing: Listing first 45 summaries
                                                                                                                                                                                             OLIGO_NUC
Gapop_60.0 , Gapext 60.0
                                                                                                                                       US-08-770-564A-14
17
1 CGGCCAGCAGCTGACA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query
Match Length
                                                                                                                                                                                                                                                                                                                  Minimum DB seq length: 0 Maximum DB seq length: 50
                                                                                                                                                                                                                                                                0
                                                                                                                                         Title:
Perfect score:
                                                                                                                                                                                               Scoring table:
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                                                            OM nucleic
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                                                                                                                                                                    Sequence:
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                                                                                       Run on:
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No.
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1158, Ap
4, Appli
5, Appli
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9, Appli
9, Appli
9, Appli
2, Appli
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Sequence 124, App
Sequence 52, Appl
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Sequence 115
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Sequence 5
Sequence 5
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       Sequence
                                                                   Sequence
                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Kim, Nam Woo
APPLICANT: Wu, Fred
APPLICANT: Wu, Fred
APPLICANT: Pruzan, Ronald
APPLICANT: Wainrich, Scott L.
APPLICANT: Weinrich, Scott L.
ATITLE OF INVENTION: Methods for Detecting the RNA Component of TITLE OF INVENTION: Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 100.0%; Score 17; DB 2; Length 17; Best Local Similarity 100.0%; Pred. No. 1.3; Matches 17; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
ATORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002300US
TELEPHONE: 415-576-0200
TELEPHONE: 415-576-0200
TELEPHONE: 415-576-0200
TELEPHONE: 415-576-0200
TELEPHONE: A15-576-0200
US-08-472-802C-37
US-08-793-229-23
US-09-286-95-23
US-08-684-040-5244
US-08-679-645-417
US-09-813-781-124
US-08-816-346-52
US-08-335-411-52
US-08-225-708-4
US-08-925-708-5
US-08-925-708-5
US-08-925-708-9
US-08-925-708-9
US-08-930-638D-9
US-08-930-638D-9
US-08-930-638D-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                          ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 14, Application US/08770565
Patent No. 5846723
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS: single
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CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND
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Patent No. 5776679

GENERAL INFORMATION:
APPLICANT: Funk, Waller
APPLICANT: Andrews, William H.
TITLE OF INVENTION: Telomerase
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADRRESPENTES: 40
CORRESPONDENCE ADDRESS:
ADRRESPENT TWO Embarcadero Center, Eighth Floor
CITY: San Francisco
CONTRY: USA
ZIP: Stan Francisco
CONTRY: USA
ZIP: A111-3834
COMPUTER: TEMPEC Compatible
OMPUTER: TEMPEC PROPONDENCE
CONTRY: USA
ZIP: A111-3834
COMPUTER: DEM PC Compatible
OMPUTER: ON-UNA: A15
CONTRY: APPLICATION NUMBER: US 08/272,102
FILING DATE: ON-UN-1995
CLASSIFICATION NUMBER: US 08/330,123
FILING DATE: ON-UN-1994
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: ON-UN-1994
PRIOREY/AGBNT INFORMATION:
TELECOMMUNICATION I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ô
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Patent No. 595860
GENERAL INFORMATION
APPLICANT: Villeponteau, Bryant
APPLICANT: Feng, Juni,
TITLE OF INVENTION: Mammalian Telomerase;
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSED: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 88.2%; Score 15; DB Best Local Similarity 100.0%; Pred. No. 13; Matches 15; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: singl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; MOLECULE TYPE:
US-08-482-115B-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-472-802C-27
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                                                                                                                                                                                                                                                                                               APPLICANT: Weinrich, Scott L.
APPLICANT: Weinrich, Scott L.
APPLICANT: Weinrich, Scott L.
APPLICANT: Lichteleinc. Serge P.
APPLICANT: Lichteleinc. Serge P.
APPLICANT: Pruzan, Ronald A.
APPLICANT: Two Embarcadero Center, Eighth Floor
CITY: Randalise Commercadero Center, Eighth Floor
CITY: Randalise Commercadero Center, Eighth Floor
CONTRY: California
COMPTRE: California
COMPTRE: California
COMPTRE: Relabyd disk
COMPTRE: Relabyd disk
COMPTRE: Relabyd disk
COMPTRE: In Proceeding Commercation #1.30
CONTRY: Weight Computer Relabyd Commercation #1.30
CONTRY: Weight Computer Relabyd Commercation #1.30
CONTRY: Weight Computer Name
CONTRY: California
CONTRY: Weight Computer Name
CONTRY: Weight Computer Name
APPLICATION NUMBER: US 08/510,736
FILING DATE: 04-ARQ-1995
ATTORNERY APPLICATION NUMBER: 01539-001110US
FILING DATE: 04-ARQ-1995
ATTORNERY APPLICATION NUMBER: 01538-001110US
FERTIVATE APPRICATION: /mod_base OTHER
NUMBER NUMBER: 04-0010
COTHER INFORMATION: /mod_base OTHER
NUMBER NUMBER: 04-0010-001
COTHER INFORMATION: /mod_base OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 100.0%; Score 17; DB 2; Length 30; Best Local Similarity 100.0%; Pred. No. 1.2; Matches 17; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                             US-08-833-377-5; Sequence 5, Application US/08833377; Patent No. 5968506
                            1 CGGGCCAGCAGCTGACA 17
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Gaps

STATE: Californ COUNTRY: USA ZIP: 94111-3834

US-00-482-115B-26; Sequence 15 Application US/08482115B

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FILING DATE: 27-OCT-1994
ATTORNEY/ACENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 15389-000820
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 8292, Application US/08584040
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                tent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: PatentIn Release #1.0, WOURTENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,802C
                                                                                                                                                   COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
PRIOR APPLICATION DATA:
                                              CURRENT APPLICATION DATA
                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                         FITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                PPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                              PPLICANT:
                                                                                                                MEDIUM TYPE: 3.5" Diskette, 1.44 Mb MEDIUM TYPE: storage
                                                                                                                                                                                                                                           ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 'Ara'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 25 base pairs TYPE: nucleic acid STRANDEDNESS: single
                                                                              OPERATING SYSTEM: IBM P.C.
                                                                                                   COMPUTER:
                                                                                                                                                                     ZIP: 90071-2066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                              PPLICATION NUMBER: US/08/584,040
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3 GGCCAGCAGCTGACA 17
                                                                                                                                                                                                   Los Angeles
: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6346398
                                                                                                                                                                                                                                     Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                      McSwiggen, James
Stinchcomb, Dan T.
Escobedo, Jaime
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            linear
                                                              Word Perfect 5.1
                                                                                              IBM Compatible
January 11, 1996
V: 514
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pamela
                                                                                                                                                                                                                                                                                                                                       TREATMENT OF DISEASES OR CONDITIONS RELATED TO LEVELS OF VASCULAR ENDOTHELIAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                                                         GROWTH FACTOR
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                                                                                                                                                                                                                                                                                                         8502
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Pred. No.
                                                                              DOS 5.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 25;
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US-08-584-040-8292
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Patent No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO:
NFORMATION FOR SEQ ID NO: 8293:
                                                                                                                               APPLICATION NUMBER: US/08/584,040
FILING DATE: January 11, 1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION UNMBER: 60/005,974
FILING DATE: October 26, 1995
                                                                                                                                                                                                                   OPERATING SYSTEM: IBM P.C. SOFTWARE: Word Perfect 5.1 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                              ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION: TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                         TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
                     JIECULAL (213)
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TELEFAX: 67-3510
                                                                                                                                                                                                                                                                                                                                                                                                                                                  UMBER OF SEQUENCES:
                                                                     NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 21
                                                                                                                                                                                                                                                                   COMPUTER:
                                                                                                                                                                                                                                                                                                                                                           STATE:
                                                                                                                                                                                                                                                                                                                                                                           CITY:
                                                                                                                                                                                                                                                                                                                                                                                      STREET:
                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Lyon & Lyon STREET: 633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                          COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REGISTRATION NUMBER: 32,327 REFERENCE/DOCKET NUMBER: 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8293, Application US/08584040
3. 6346398
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                                                                                                                                                                                                                                                                                                                               90071-2066
                                                                                                                                                                                                                                                                                                                                                                         Los Angeles
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Warburg, Richard
                                                                                                                                                                                                                                                                                                                                                          California
                                                                                                                                                                                                                                                                                                                                                                                      Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      McSwiggen, James
Stinchcomb, Dan T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Escobedo,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          linear
                                                                                                                                                                                                                                                                 IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    October 26,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        single
                           955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pamela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          METHOD AND REAGENT FOR THE TREATMENT OF DISEASES OR CONDITIONS RELATED TO LEVELS OF VASCULAR ENDOTHELIAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                GROWTH FACTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               70.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Jaime
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                                                                                                                                                                                                                                                   C. DOS 5.0
                                                                       218/064
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Pred. No.
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                                                                                                                                                                                                                                                                                            TELEPHONE: 619-587-333-31
INFORMATION FOR SEQ ID NO: 4
SEQUENCE CHARACTERISTICS:
LENGTH: 48 base pairs
TYPE: NUCLEIC ACID
TYPE: NUCLEIC ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US, FILING DATE: 19910621 CLASSIFICATION: 530 PRIOR APPLICATION DATA: APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDENESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PAtentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                      TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                            TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
NAME: Bingham, Douglas A.
REGISTRATION NUMBER: 32,457
REFERENCE/DOCKET NUMBER: CIBO012P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Lernhardt, Waldemar
APPLICANT: Bourdon, Mario
APPLICANT: Youderian, Phil
TITLE OF INVENTION: HYBRID PROTEINS CONTAINING BINDING SITES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AUGRESSEE: Bingham & Fitting
STREET: 11230 Sorrento Valley Road, Suite 200
CITY: San Dlego
STATE: California
                                                                                                                                                                                                                                                                                      STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Match 70.6%; S
local Similarity 100.0%;
so 12; Conservative 0;
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                                                                                                                                                               12;
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                                                                                                                                4 GCCAGCAGCTGA 15
Application US/08850049 5965726
                                                                                                GCCAGCAGCTGA 19
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                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                    ATION 17. 619-587-3533
                                                                                                                                                                                                                                                                   linear
                                                                                                                                                                                                                                                                                        double
                                                                                                                                                                                70.6%;
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; Pred. No. 4.5e+02;
; rematches 0;
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; Pred. No.
                                                                                                                                                                   0,
                                                                                                                                                                                4.3e+02
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Sequence 9, Application US/08850049
Patent No. 5965726
GENERAL INFORMATION:
                                                                                                                                                                                                  Matches
                                                                                                                                                                                                                                                                                                                                                              TELEFAX: (212)751-6849
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
NAME: MORRY, WARY J.
REGISTRATION UNMBER: 34,398
REFERENCE/DOCKET NUMBER: 200
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DALE.

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/050,478
APPLICATION TOTALE: 26-0CT-1994
415
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: METHOD OF ELIMINATING REGIONS OF MENA INTELLIBRICATION: INHIBITORY/INSTABILITY REGIONS OF MENA NUMBER OF SEQUENCES: 130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STATE: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION: 435
IOR APPLICATION DATA:
APPLICATION NUMBER: US 07/858,747
FILING DATE: 27-MAR-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: PCT/
FILING DATE: 29-MAR-1993
                                                                                                                                                                                                                                                                                                         TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
                                                                                                                                                                                                                                                                                                                                                                                                                  TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE:
                                                                                                                                                                                                                     Loca1
                                                                                                                                                                                                                                                                                     OPOLOGY: LINEAR
                                                                                                                                                                                                                                                                                                                                          ENGTH:
                                                                                                                              35 CAGCAGCTGACA 46
                                                                                                                                                                                                l Similarity
12; Conserv
                                                                                                                                                                6 CAGCAGCTGACA 17
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                                                                                                                                                                                                                                                                                                                                          50 BASE PAIRS
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                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                (212)751-6849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MORGAN & FINNEGAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PARK AVENUE
                                                                                                                                                                                                                   70.6%;
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                                                                                                                                                                                                                                     Length 50;
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CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
STREET: 345 PARK AVENUE

NUMBER OF SEQUENCES:

130

ITLE OF INVENTION:

METHOD OF ELIMINATING INHIBITORY/INSTABILITY REGIONS OF mRNA

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APPLICANT:

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                                                                                                                                                                                                                                                                                                                                                                  JS-08-050-478-5
                                                                                                                                                                                                                                                                                              Sequence 5, Application Patent No. 5972596
GENERAL INFORMATION:
APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 50 BASE PAIRS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: MORRY, MARY J.
REGISTRATION NUMBER: 34,398
REFERENCE/DOCKET NUMBER: 20:
TELECOMMUNICATION INFORMATION:
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PRIOR APPLICATION NUMBER: U
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/02908
FILING DATE: 29-MAR-1993
                                                            COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
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PRIOR APPLICATION DATA:
                                                                                                                                                                                            TITLE OF INVENTION: ME'
TITLE OF INVENTION: INI
NUMBER OF SEQUENCES: 1:
CORRESPONDENCE ADDRESS:
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MEDIUM TYPE: FLOPPY
CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-SOFTWARE: WORDPERFECT 5.1
             COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WORDPERFECT 5.1
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                                                                                                              COUNTRY:
                                                                                                                                                               STREET:
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l Similarity 100.0%;
l2; Conservative (
                                                                                                10154
                                                                                                                                               NEW YORK
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                                                                                                                                                                                                                                                                                                                                               Application US/08050478
                                                                                                                               NEW YORK
                                                                                                                                                               345 PARK AVENUE
                                                                                                                USA
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(212)751-6849
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                                                                                                                                                                                MORGAN & FINNEGAN
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                                                               FLOPPY DISK
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2026-4006US1
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hes 0;
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: MORRY, MARY J.
REGISTRATION NUMBER: 34,398
REFERENCE/DOCKET NUMBER: 20
TELECOMMUNICATION INFORMATION:
                                                                                                                                                         APPLICATION NUMBER: US/08/050,478
FILING DATE: 26-OCT-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM: MEDIUM TYPE: FLOPPY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 50 BASE PAIRS
                                                             PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
FILING DATE: 27-MAR-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
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               ATTORNEY/AGENT INFORMATION:
NAME: MORRY, MARY J.
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                                                                                                                             APPLICATION NUMBER: PCT/
FILING DATE: 29-MAR-1993
                                                                                                                                                                                                                                         OPERATING SYSTEM: PC-DOS/
SOFTWARE: WORDPERFECT 5.1
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CLASSIFICATION:
 REGISTRATION NUMBER:
                                             CLASSIFICATION: 435
                                                                                                              CLASSIFICATION:
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                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE:
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                                                             27-MAR-1992
                                                                                                                                                                                                                                                                                           FLOPPY DISK
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                                                                                                                                                                                                                                                          PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                     METHOD OF ELIMINATING INHIBITORY/INSTABILITY REGIONS OF mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US 07/858,747
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                                                                              US 07/858,747
34,398
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. 4.3e+02;
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Query Match
Query Match
Best Local Similarity 100.0%; Pred. No. 4.3e+C
Matches 12; Conservative 0; Mismatches
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INFORMATION FOR SEQ ID NO: 9:.
SEQUENCE CHARACTERISTICS:
LENGTH: 50 BASE PAIRS
TYPE: NUCLEIC ACID
                                                                                                                                                                                                                                      TELEPHONE: (212)758-4800
TELEPAX: (212)751-6849
[INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
                                                                                                                  TOPOLOGY: UNKNOW MOLECULE TYPE: RNJ
HYPOTHETICAL: NO
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: JBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDERFECT 5.1
CURRENT APPLICATION UNMERR: US/07/858,7/
FILING DATE: 19920327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
                                                                                                                                                                                                                                                                                                            NAME: MARY J. MORRY
REGISTRATION NUMBER: 20
REFERENCE/DOCKET NUMBER: 20
SLECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: MORGAN & FINNEGAN
STREET: 345 PARK AVENUE
CITY: NEW YORK
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                                                     DEVELOPMENTAL STAGE:
                                                                     INDIVIDUAL ISOLATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ce 5, Application US/07858747B
No. 6174666
                                                                                                      GANISM: HIV-1
                                                                                                                                                                                       RANDEDNESS: SINGLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    B OF INVENTION: METHOD OF ELIMINATING
B OF INVENTION: INHIBITORY/INSTABILITY REGIONS OF MRNA
BR OF SEQUENCES: 21
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                                                                                                                                                                         UNKNOWN
                                                                                                                                                           RNA
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                                                 IDENTIFICATION METHOD:
OTHER INFORMATION: OLIGONUCLEOTIDE M4
US-07-858-747B-9
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US-07-858-747B-9
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Best Local Similarity
Query Match
Best Local Similarity
                                                                                                                                                                                                                                                         TELEFAX: (212)751-6849
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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cent No. 6174666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SORTWARE: WORDERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION UNMEER: US/07/858,747B
FILING DATE: 19920327
                                                                                                                                                                                                                                                                                                                                              ATTORNEY JAGENT INFORMATION:
NAME: MARY J. MORRY
REGISTRATION NUMBER: 34,
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION: 435
PRIOR APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: METHOD OF ELIMINATING
TITLE OF INVENTION: INHIBITORY/INSTABILITY REGIONS OF MRNA
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FEATURE:
NAME/KEY:
                                                                                                                                                                                                                                                                                                                                TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LOCATION:
LOCATION METHOD:
LOCATION METHOD:
OTHER INFORMATION:
OTHER INFORMATION:
OTHER INFORMATION:
MOL
                                                                                                                                                           IYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC COMPATIBLE OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WORDPERFECT 5.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MPUTER READABLE FORM: MEDIUM TYPE: FLOPPY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANELLE
                                                                                                                                                                                         STRANDEDNESS: SIN
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STREET: 3
                                                                                                                                                                                                                                                                                                                TELEPHONE:
                                                                                                                                                                                                                                            ENGTH:
                                                                                                                                                                           CULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12; Conservative
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NEW YORK
NEW YORK
                                                                                                                                                                                                            NUCLEIC ACID
EDNESS: SINGLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                USA
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                                                                                                                                                         YES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                70.6%;
70.6%; Score 12; DB 4; Length 50; 100.0%; Pred. No. 4.3e+02;
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                                                                                                                                                                                                                                                                                                                                                               34,398
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METHOD OF ELIMINATING INHIBITORY/INSTABILITY REGIONS OF MRNA

US/09/414,117

PC-DOS/MS-DOS

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CLASSIFICATION:
PARIOR APPLICATION DATA:
PAPLICATION NUMBER: 08/850,049
FILING DATE:
                                                                                                                                                                                                                                            COUNTRY: USA
ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: WORDPERFECT 5.1 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09,
                                                                                                                                                                                   STREET: 345 PARK AVENUE
CITY: NEW YORK
STATE: NEW YORK
                                                                                                                           NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & 1
                                                 APPLICANT:
APPLICANT:
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                          OPERATING SYSTEM:
; Patent No. 6291664
                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE:
                                   APPLICANT
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Gaps
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 Mismatches
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CLASSIFICATION:
PRIOR APPLICATION:
PRIOR APPLICATION DATA:
APPLING DATE: 29-MAR-1993
CLASSIFICATION:
PRIOR APPLICATION:
PRIOR APPLICATION:
FILING DATE: 27-MAR-1992
CLASSIFICATION:
FILING DATE: 27-MAR-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPRY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/414,117
PILING DATE:
                                                                                                                                                               Sequence 5, Application US/09414117; Patent No. 6291664; GENERAL INFORMATION:
APPLICANT:
APPLICANT:
TITLE OF INVENTION: METHOD OF ELIM
TITLE OF INVENTION: INHIBITORY/INS
NUMBER OF SEQUENCES: 130
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/850,049
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
NAME: MORRY, MARY J.
REGISTRATION NUMBER: 2026-
REEFERENCE/DOCKET NUMBER: 2026-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)758-4800
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 50 BASE PAIRS
                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: MORGAN & FINNEGAN
 ;
                                                                                                                                                                                                                                                                                                                                                                                STREET: 345 PARK AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10154
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Best Local Similarity 100.
Matches 12; Conservative
 12; Conservative
                                     6 CAGCAGCTGACA 17
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STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
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Matches
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Gaps
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Pred. No. 4.3e+02;
Search completed: June 23, 2003, 10:17:10 Job time: 27.6175 secs
                                                                                                                                                                            Query Match 70.6
Best Local Similarity 100.
Matches 12; Conservative
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                                                                                                                                                       ; TOPOLOGY: LINEAR
US-09-414-117-9
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Gaps

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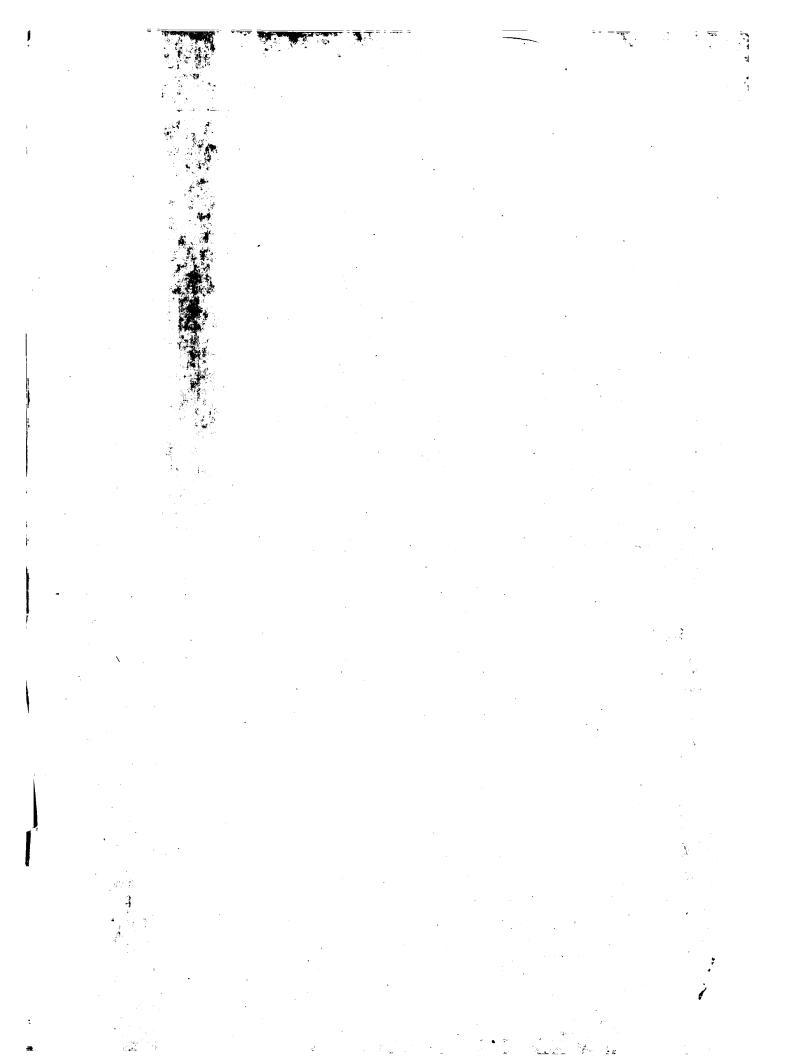
0; Mismatches

RESULT 15 US-09-414-117-9 ; Sequence 9, Application US/09414117

35 CAGCAGCTGACA 46

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6 CAGCAGCTGACA 17



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Result
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Perfect score:
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                                                                                                                                                                                                                                  Score
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seq length: 50
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1: /SIDS2/gcgdata/geneseq/geneseqn-emb1/NA1980.DAT:*

2: /SIDS2/gcgdata/geneseq/geneseqn-emb1/NA1981.DAT:*

3: /SIDS2/gcgdata/geneseq/geneseqn-emb1/NA1982.DAT:*

4: /SIDS2/gcgdata/geneseq/geneseqn-emb1/NA1983.DAT:*

5: /SIDS2/gcgdata/geneseq/geneseqn-emb1/NA1985.DAT:*

6: /SIDS2/gcgdata/geneseq/geneseqn-emb1/NA1985.DAT:*

7: /SIDS2/gcgdata/geneseq/geneseqn-emb1/NA1985.DAT:*

9: /SIDS2/gcgdata/geneseq/geneseqn-emb1/NA1985.DAT:*

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Match
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338.880 Million cell updates/sec
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Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /SIDS2/gcgdata/geneseq/geneseqn-embl/NA1990.DAT:
/SIDS2/gcgdata/geneseq/geneseqn-embl/NA1991.DAT:
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AAV41181
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|----------|----------|----------|----------|----------|----------|----------|--------------------|----------|--------------------|--------------------|----------|------------|----------|----------|----------|----------|-----------|--------------|------------|------------|----------|----------|----------|----------|-----------|----------|----------|----------|-------------|----------|------------|----------|------------|--------------------|-------------------|--|
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| 64.7 | 64.7 | • | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 70.6 | • | 70.6 | • | • | • | • | • | ٠ | | | | | |
| 27 | 27 | 27 | 26 | 25 | 22 | 22 | 22 | 21 | 21 | 20 | 20 | 20 | 20 | 20 | 20 | 19 | 19 | 18 | 17 | 17 | 17 | 14 | 50 | 50 | 50 | 50 | 47 | | 22 | 22 | 21 | 21 | 18 | 18 | 17 | |
| 21 | 21 | 18 | 24 | 24 | 22 | 17 | 11 | 24 | 24 | 22 | 22 | 20 | 20 | 19 | 19 | 24 | 24 | 22 | 23 | 18 | 16 | 19 | 22 | 22 | 22 | 14 | 22 | 21 | 22 | 21 | 20 | 20 | 18 | 18 | 21 | |
| AAZ62044 | AAZ61994 | AAX72494 | AAD30606 | ABQ12839 | AAD03498 | AAT10308 | AAQ04792 | ABK68313 | ABK71217 | AAF73020 | AAF58664 | AAV84046 | AAZ22293 | AAV08229 | AAV69957 | AAD27732 | AAD39182 | AAH40658 | AAD23927 | AAX74476 | AAQ80412 | AAV95628 | AAD09081 | AAL33675 | AAL28271 | AAQ50205 | AAD09076 | AAZ94606 | AAF93030 | AAC69270 | AAZ31700 | AAZ38106 | AAX75543 | ū | AAZ65597 | |
| | | VEC | | ο. | Dp4 | t of | 5'-3' primer for t | HYPLIP1 | Mouse HYPLIP1 locu | Human daxx inhibit | œ. | used in me | Seq I | cimer A | | transm | e 57242 I | pecific lowe | interferon | flt-1 VEGF | N-alpha | | | SNP | n SNP oli | utag | oligon | æ | al exon 2 c | · ^ | FKHL7 gene | FKHL7 | flt-1 VEGF | Mouse flt-1 VEGF r | Immunosuppressant | |

ALIGNMENTS

RESULT 1 AAV41181 ID AAV4

AAV41181 standard; DNA; 17

ВÞ

RNA component 08-OCT-1998 AAV41181;

of human telomerase (hTR) antisense oligo

RP2

(first entry)

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WPI; 1998-377670/32. neuroblastoma; contraception; Kealey JT, 20-DEC-1996; 20-DEC-1996; 19-DEC-1997; 02-JUL-1998. WO9828442-A1. Synthetic. RNA component; immune system (GERO-) GERON CORP Homo sapiens. Kim NW, ; bladder cancer; colon cancer; prostate cancer; ; sterilisation; immunosuppression; therapeutic; down-regulation; anti-inflammatory therapy; ss. 96US-0770565. 96US-0770564. 97WO-US23619 human telomerase; antisense oligonucleotide; infection; Pruzan R, Weinrich SL, prostate cancer; ion; therapeutic; £, <u>...</u> cancer;

Human

B-raf

target

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Sequences shown in AAV41169 to AAV41181 represent antisense
CC oligonuclectides to the RNA component of human telomerase (hTR). These
CC antisense oligonuclectides specifically hybridise to a nucleotide
CC sequence within an accessible region of the hTR, but that does not
CC hybridise to a sequence within the template region of hTR. These
CC oligonuclectides may specifically be used for detection of an RNA
CC component of human telomerase in a sample. This is useful for diagnosing
CC cancer (especially neuroblastoma, bladder, colon and prostate cancer),
CC and providing prognosis for a cancer patient. The inhibitory
CC oligonuclectides can inhibit the telomerase activity level in a cell by
CC oligonuclectides can inhibit the telomerase activity level in a cell by
CC oligonuclectides can inhibit the telomerase activity level in a cell by
CC oligonuclectides can inhibit the telomerase activity level in a cell by
CC of the RNA component into the telomerase activity in both cultured cells and in
CC of the RNA component into the telomerase activity in both cultured cells and in
CC cells in vivo. They can be used in therapeutics for treating or
CC immunosuppression, and for selectively down-regulating specific branches
CC of the immune system, e.g. a specific subset of T-cells in
CC cells in vivo. They can be used for treating or proventing cancer, for contraception or sterilisation, for
CC immunosuppression, and for selectively down-regulating specific branches
CC of the immune system, e.g. a specific subset of T-cells in
CC cells in cell the provention of the specific branches
CC of the immune system, e.g. a specific subset of T-cells in
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Mouse and human telomerase RNA gene specific gene therapy
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Telomerase RNA; TR; promoter; cytotoxin; cancer; neoplasia; hTR; gene therapy; thymidine kinase gene; anticancer therapy; human; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAZ07280;
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                                                                                    WPI; 1999-479183/40
                                                                                                                                                                                                                                                                    29-JAN-1998;
                                                                                                                                                                                                                                                                                                                                                                                       05-AUG-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human telomerase RNA gene (hTR) specific primer TRC3R.
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                                                                                                                                                 Keith WN;
                                                                                                                                                                                                          (CANC-) CANCER
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PCR primer;
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Pred. No. 11;
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                              promoters, useful
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                                     for tumor
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XX Anti
XX Huma
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Purification of telomerase on affinity material diagnosis and treatment of cancer
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telomerase RNA (TR) component genes. The TR gene promoter can be linked CC to a heterologous gene, especially a gene encoding a cytotoxin, for CC thrapy of cancer, especially neoplasias. The telomerase is necessary for CC the unrestricted proliferative capacity of many human cancers. Mutation CC or dysregulation of the telomerase repression pathway may cause reactivation or upregulation of telomerase expression in cancer. Substances, identified in the methods, can be used to block transcription CC from the TR gene promoter through interaction of the 5' regulatory CC sequences. These substances, e.g. antisense oligonucleotides, transcription factors, peptide nucleic acids and factors that disrupt CC transcription factors, peptide nucleic acids and factors that disrupt CC signal transduction, are useful for cancer therapy. In particular, gene CC therapy vectors (especially pCTG2-codaupp) comprising the promoter and a CC viral thymidine kinase gene can be used to convert a prodrug, e.g. CC gancyclovir, so that neoplasia can be controlled or treated. Direct CC down-regulation of telomerase RNA gene through manipulation of transcription factors may be effective anticancer therapy and the cloning transcription factors may be effective anticancer therapeutic molecules which modulate hTR promoter activity. Sequences AAC0762-80 represents CC PCR primers for amplifying human TR gene (hTR) promoter sequence.
Sequence 25 BP; 6 A; 7 C; 9 G; 3 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to promoter regions telomerase RNA (TR) component genes. The T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure; Fig 6; 109pp; English
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Query Match
Best Local S
Matches 17
                                                                                      04-APR-1997;
                                                                                                                                                                                                                                         Synthetic
                                                                                                                                                                                                                                                                Human; telomerase RNA component; anticancer therapy; purification; assay; vaccine; cancer; antisense oligonucleotide; ss.
                                                                                                                                                                                                                                                                                                      Antisense oligonucleotide 13 for human telomerase RNA component.
                                                                                                                                                                                                                                                                                                                               15-FEB-1999
                                                                                                                                                                                                                                                                                                                                                        AAV63648;
                                                             04-APR-1997;
                                                                                                               15-OCT-1998
                                                                                                                                      WO9845450-A1
                                                                                                                                                                                                                                                                                                                                                                               AAV63648 standard; DNA; 30
Atkinson EM,
Vasserot AP,
                                                                                                                                                                                                                             Homo
                                    (GERO-) GERON
                                                                                                                                                                                       modified_base
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17; Conserv
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Kealey JT,
Weinrich S
                                                                                                                                                                                                                                                                                                                               (first entry)
                                      CORP.
                                                             97WO-US06012
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 SL;
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              SP,
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              Pruzan
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 25;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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WPI; 1998-594485/50

useful

for,

Disclosure;

Page 24;

76pp; English

directed against

the

The present sequence represents an antisense oligonucleotide

human telomerase RNA component gene sequences.

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RESULT 4
AAZ23630
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        XXX
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Best Local S
Matches 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The oligonucleotide can be used as an affinity agent in the methods of the invention, which are used to purify human telomerase. The methods involve the use of several sequential steps, including the use of two matrixes that bind molecules bearing negative charges, a matrix that binds molecules bearing positive charges, an affinity purification step and a size separation. Telomerase is a particular target of anticancer therapies, and is useful in assays for characterizing (pre) cancerous cells. Telomerase can also be used to screen for specific modulators, for biochemical analysis of its activity, and in preparation of antibodies. Fragments of telomerase, or nucleic acid encoding them,
This invention describes a novel composition comprising human telomerase having at least 2000-fold (preferably at least 60000-fold) increased relative purity compared with crude extract of cells from
                                                                            Compositions comprising human telomerase, useful for treating diseases associated with overexpression of telomerase {\tt e.g.} cancer -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                    Disclosure; Column 45-46; 34pp; English
                                                                                                                     WPI; 1999-590379/50
                                                                                                                                               Vasserot
                                                                                                                                                            Atkinson
                                                                                                                                                                                                               04-AUG-1995;
                                                                                                                                                                                                                                         04-APR-1997;
                                                                                                                                                                                                                                                                   19-OCT-1999.
                                                                                                                                                                                                                                                                                             US5968506-A
                                                                                                                                                                                                                                                                                                                                             modified_base
                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                           disease; primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                       Telomerase; human; immune response; cancer; vaccine; treatment;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human clone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             07-JAN-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAZ23630 standard; DNA; 30
                                                                                                                                                                                      (GERO-) GERON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          used in vaccines, and for treating over expression of telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4
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                                                                                                                                              AP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CGGGCCAGCAGCTGACA 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CGGGCCÁGCÁGCTGÁCÁ 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 28-1 telomerase oligonucleotide oligo-13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
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                                                                                                                                                                                    CORP.
                                                                                                                                                          Lichtsteiner SP,
                                                                                                                                                                                                               9508-0510736
                                                                                                                                                                                                                                         97US-0833377
                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                                                                                                                                                 /*tag=  a
/note= "5′-biotinylated guanosine"
                                                                                                                                                                                                                                                                                                                                                                                                                            88.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pred. No.
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                                                                                                                                                             Weinrich
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                                                                                                                                                         SL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BB
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                                                                                                                                                          Pruzan
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                                                                                                                                                          RA,
                                                                                                                                                          Kealey
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Matches
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       2000-fold increased purity compared with a crude extract of cells from adenovirus-transformed kidney cell line (293 cells) and when associated with telomerase RNA component has DNA polymerase activity and a molecular weight of 200-2000 kilo Daltons (kDa). The purified telomerase is useful for inducing a humoral or cell-mediated immune response in an animal. Purified telomerase or immunogenic fragments are useful as vaccines for treating diseases associated with over-expression of telomerase, such as cancer and for producing antibodies that recognize telomerase, which are
                                                                                                                        The sequence represents a biotinylated antisense oligonucleotide used in the purification of human telomerase. The invention relates to a purified human telomerase core enzyme protein comprising
                                                                                                                                                                                                            with
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  adenovirus-transformed kidney cell line. The composition is useful for eliciting an immune response in animals and may therefore be used as a vaccine for treating diseases associated with the overexpression of telomerase e.g. cancer. AAZ33626-Z33637 represent oligonucleotides used in the isolation of human clone 28-1 which contains a fragment of the human telomerase described in the method of the invention.
                                                                                                                                                                                                                      Purified human telomerase, useful for inducing immune response animals, comprises several thousand folds increased purity com
                                                                                                                                                                                                                                                                                            Weinrich SL,
Kealey JT;
                                                                                                                                                                                                                                                                                                                                                                 04-APR-1997;
04-AUG-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; Telomerase; vaccine; antibody; cancer; EF2H; nucleolin; antisense oligonucleotide; Oligo 13; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 30 BP; 6 A; 6 C; 8 G; 10 T; 0 other;
                                                                                                                                                                                Disclosure; Column 18;
                                                                                                                                                                                                                                                                   WPI; 2001-450477/48.
                                                                                                                                                                                                                                                                                                                                                                                                            18-OCT-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US6261556-B1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Antisense oligonucleotide for human telomerase, Oligo 13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   24-OCT-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAS09475 standard;
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                                                                                                                                                                                                            cytoplasmic crude
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     17;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first
                                                                                                                                                                                                                                                                                                           Atkinson
                                                                                                                                                                                                                                                                                                                                        CORP
                                                                                                                                                                                                                                                                                                                                                                 97US-0833377
95US-0510736
                                                                                                                                                                                                                                                                                                                                                                                                            99US-0420056
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /*tag= a
/mod_base= G
/note= "G is biotinylated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 entry)
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                                                                                                                                                                                                          cell
                                                                                                                                                                                                                                                                                                           EM,
                                                                                                                                                                              29pp; English.
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                                                                                                                                                                                                            preparations
                                                                                                                                                                                                                                                                                                           Lichtsteiner SP,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 17;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
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                                                                                                                                                                                                                                                                                                           Vasserot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                             AP,
                                                                                                                                                                                                                       compared
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Best Local S
Matches 17
Sequence 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            07-JUN-1995;
07-JUL-1994;
27-OCT-1994;
07-JUN-1995;
                                                  The present sequence, an antisense primer for the RNA component of human telomerase (RCHT), was used in a 5' RACE procedure. The RCHT can be used in the recombinant produ. of an active telomerase mol., capable of adding sequences to chromosomal DNA telomeres, and in the synthesis of mutant sequences for the detection of mutant mammalian telomerase RNA component polynucleotides. The RCHT may also be used in the identification of telomerase modulating agents, and in the detection of telomerase related, or neoplastic consecutive mucleotides identical, or complementary to the RCHT sequence linked to heterologous transcriptional regulatory sequences, can be used for the gene therapy of human diseases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RNA component; human; telomerase; antisense; 5' RACE; primer; recombinant production; synthesis; mutant; detection; mammalian; identificantion; dedulating agent; neoplastic condition; transcriptional regulatory sequence; gene therapy; disease; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       presence of proteins in a sample, such as cell or tissue. Identificat of telomerase aids in diagnosis of cancer or pre-cancerous states. Telomerase and/or telomerase associated proteins are also useful for screening compounds to identify agents that alter the association of telomerase-associated proteins, such as nucleolin or EF2H with
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                06-JUL-1995;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RNA component of human telomerase antisense TRC3 5' RACE primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 30 BP; 6 A; 6 C; 8 G; 10 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 10; Page 82; 114pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Andrews WH,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          25-JAN-1996.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RNA component of mammalian identifying e.g. candidate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GERO-) GERON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
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94US-0272102.
94US-0330123.
95US-0472802.
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   œ
   A; 8 C; 6 G; 3 T; 0 other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Funk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                telomerase, esp. human - useful in telomerase-modulating agents
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ВP
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Pred. No. 11;
D; Mismatches
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Query Match

88.2%;

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23

CGGCCAGCAGCTG 10

CGGGCCAGCAGCTG 14

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Gaps

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Query Match Best Local S Matches 14

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ARSS6779 E
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Matches 15; Conserv
                                                                                                                                                                                      sequences AAS56729-AAS56968 represent DNA encoding BRCA-1 regulators, ribozyme target recognition RNA sequences, DNA fragments encoding the and primers used in the methods of the invention. Hybridisation of ribozymes to their targets results in cleavage of the RNA target. The ribozymes to their targets results in cleavage of the RNA target. The BRCA-1, resulting in upregulation or downregulation of BRCA-1 in a cell. The mRNA targets include those encoding the BRCA-1 regulator BRI, inhibitor dominant negative 4 (ID4), breast basic conserved protein 1 (BBC1), CHIR2, AF6, BR2 and BR3. Regulation of BRCA-1 is useful for treating and diagnosting cancer and other proliferative disorders. The severity of an incidence of cancer can be lessened by regulating tumour proliferation through modulation of BRCA-1 expression. The sequences of the invention are useful in the development of anti-cancer drugs.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel polypeptides that are the regulators of BRCA-1, useful for treating cancer and diagnosing the presence of neoplastic cells biological sample -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; BRCA-1 regulator; ribozyme; BR1; RNA target recognition; probe; cytostatic; RNA cleavage; tumour suppressor; PCR primer; CHLR2; AF6; BR2; inhibitor dominant negative 4; breast basic conserved protein 1; BBC1; BR3; ID4; cancer; proliferative disorder; tumour proliferation; ss.
                                                                                                                                  Sequence 24 BP; 2 A; 8 C; 7 G; 7 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BRCA-1 promoter region PCR primer
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 2; Page 52; 97pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2001-611503/70.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Beger C, Barber J, Wong-staal F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     23-MAR-2000; 2000US-0536058
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                23-MAR-2001; 2001WO-US09559.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27-SEP-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200170982-A2
ch 82.4%; Son 100.0%; Son 14; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3 GGCCAGCAGCTGACA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IMMUSOL INC.
BEGER C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  standard; DNA; 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; ...
   Score 14; DB; Pred. No. 3.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
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                                   DB 22;
. 3.5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               . 1.1e+02;
ches 0;
                                                               Length 24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      the RNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0,
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The present sequence represents PCR primer hTR170 used for amplifying the human telomerase (hTR) template. The RNA and DNA can be used in hybridisation assays to detect or quantify telomerase activity in cells, tissue or fluid samples, e.g. for diagnosis of eukaryotic parasites (yeast and protozoa) or tumours. It is also useful as primers for amplification assays. The truncated or recombinant vertebrate telomerase is used therapeutically to increase telomerase activity (also as ratisense molecules, are used to reduce such activity. Typical as antisense molecules, are used to reduce such activity. Typical as antisense molecules, are used to reduce such activity to cause senescence or to prevent immortalisation of activity to cause senescence or to prevent immortalisation of cells in tumours or parasites. The DNA is also used to produce recombinant telomerase, which can then be used conventionally to raise antibodies for diagnosis of tumour or infection, before clinical signs manifest. Telomerase inhibitors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        directed against e.g. Trypanosoma should cause fewer side effects than drugs currently used to treat such infections. The DNA encodes those
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  parts of hTR RNA essential for activity but are significantly shorter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DNA encoding essential RNA components of human telomerase - also
                                                                                                                                                                                                                      Cancer; eukaryotic parasite; hTR; vertebrate telomerase; yeast;
protozoa; tumour; antibody; polymerase chain reaction; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         recombinant telomerase, useful for diagnosis and cancer and infection by eukaryotic parasites
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 42 BP; 8 A; 10 C; 12 G; 12 T; 0 other;
                                                                                                                                                                                 Human telomerase template PCR primer hTR170.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 4; Page 30; 48pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      the endogenous RNA component.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (COLD-) COLD SPRING HARBOR LAB.
                                                             AAT58806 standard; DNA; 42 BP.
                                                                                                                                                                                                                                                                                                                                                                                                     96WO-US09517.
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                                                                                                                                       20-NOV-1997 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 1997-099928/09
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                                                                                                                                                                                                                                                                                                                                                                                                     06-JUN-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                          07-JUN-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            treatment of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       truncated or
                                                                                                                                                                                                                                                                                                                                                              19-DEC-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Autexier C,
                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                  AAT58806;
                                       AAT58806/c
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Gaps ö 82.4%; Score 14; DB 18; Length 42; 100.0%; Pred. No. 3.5e+02; 0; Indels 0; Mismatches 14; Conservative Local Similarity Query Match Best Loca Matches

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AAV93815 standard; RNA; 14 BP AAV93815; RESULT 9 AAV93815/c SXXXEX

18-FEB-1999 (first entry)

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target, substrate; catalyst; modulation; expression; Raf gene; dell'very; screening; identification; synthesis; deprotection; purification; cancer; inflammation; psoriasis; non-hepatic ascites; infection; genetic drift; restenosis; rheumatoid arthritis; ss.
              Human; c-raf; A-raf; B-raf; hammerhead ribozyme; hairpin ribozyme,
Human B-raf target sequence nucleotide position 2205.
                                                                                                                       97US-0046059.
97US-0049002.
97US-0051718.
97US-0056808.
97US-0061321.
                                                                                                   98WO-US09249
                                                                                                                 97US-0068212
                                                                                                                                                           97US-0061324
97US-0064866
                                                         Homo sapiens.
                                                                      WO9850530-A2
                                                                                                  05-MAY-1998;
                                                                                    12-NOV-1998
                                                                                                                        09-MAY-1997
                                                                                                                                             22-AUG-1997
02-OCT-1997
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                                                                                                                                                                   05-NOV-1997
                                                                                                                                       03-JUL-1997
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Beigelman L, Bellon L, Burgin A, Jarvis T; , Kisich K, Matulic-Adamic J, McSwiggen JA; synolds M, Sweedler D, Thompson J, Workman CT; Parry T, Reynolds M, Karpeisky A, Beaudry A,

(RIBO-) RIBOZYME PHARM INC.

WPI; 1999-009494/01.

Identifying new catalytic nucleic acid that modulates selected processes - especially ribozymes that cleave Raf RNA for treating cancer, restenosis, and also new ribozymes and modified nucleoside triphosphates used as antiviral agents and synthons

Claim 179; Page 175; 259pp; English.

capable of modulating a process in a biological system. The method capable of modulating a process in a biological system. The method comparises: (a) introducing into the system a random library of nucleic comparises: (a) introducing into the system a random library of nucleic card catalysts (NAC) having a substrate binding domain (SBD), comparising a random sequence, and a catalytic domain (CD); and (b) identifying NAC in systems where modulation has occurred and/or determining the sequence of at least part of the SBDs in such systems. Nucleic acid molecules with endonuclease activity and catalytic activity, from the present invention, are used to modulate gene expression in plant and mammalian systemic diseases caused by specific acid, particularly for treating systemic diseases caused by specific RNA, e.g. cancer, inflammation, psoriasis, non-hepatic ascites and infection. They may also be used to detect genetic drift and mutations in diseased cells and to determine craft RNA. Specifically NACs with NRA-cleaving activity that modulate carreits are nessed to expression of the RAS gene, are used to treat cancer, restences. psoriasis or rheumatoid arthritis, or generally any condition associated with the lavel of c-raf. Introduction of sugar/phosphate modifications increases stability against nuclease and activity, AAV90922 to AAV93877 represent NACs that can be used in the method, specifically for modulating the expression of a Raf gene.

Sequence 14 BP; 1 A; 5 C; 6 G; 2 U; 0 other;

Gaps ö 76.5%; Score 13; DB 20; Length 14; 100.0%; Pred. No. 1.18+03; ive 0; Mismatches 0; Indels 13; Conservative Best Local Similarity Query Match Matches

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В 8

RESULT 10

us-08-770-564a-14.oligo.rng

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The present invention describes nucleic acid molecules which modulate the synthesis, expression and/or stability of a mRNA encoding 1 or more receptors of vascular endothelial growth factor (VBGF). A patient (preferably human) having a condition associated with the level of the fime-like tyrosine kinase 1 [fit-1], kinase insert domain containing receptor (KDR) and/or foetal liver kinase 1 (fit-1) (e.g. tumour anglogenesis, ocular diseases, psoriasis and rheumatoid arthritis) can be treated by administering the nucleic acid molecule or the expression vector to the patient. AAX67275 to AAX75752 represent specific examples of nucleic acid molecules from the present invention.
                                                                                                                                                                           Vascular endothelial growth factor receptor; VEGF receptor; flt-1; flk-1; KDR; hammerhead ribozyme; hairpin ribozyme; cleavage; tumour anglogeneais; psoriasis; rheumatoid arthritis; ocular disease; fms-like tyrosine kinase 1; kinase insert domain containing receptor; foetal liver kinase 1; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Vascular endothelial growth factor receptor; VEGF receptor; flt-1; flk-1; KDR; hammerhead ribozyme; hairpin ribozyme; cleavage; tumour angjogenesis; psoriasis; rheumatoid arthritis; ocular disease; fms-like tyrosine kinase 1; kinase insert domain containing receptor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Nucleic acid molecule modulating VEGF receptor(s) gene expression or mRNA stability - useful for treating e.g. tumour angiogenesis, psoriasis, rheumatoid arthritis, etc., in a human patient
                                                                                                                            Mouse flt-1 VEGF receptor hairpin ribozyme substrate #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mouse flt-1 VEGF receptor hairpin ribozyme substrate #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Escobedo J, . McSwiggen J, Pavco P, Stinchcomb D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 70.6%; Score 12; DB 18; I
Best Local Similarity, 100.0%; Pred. No. 3.5e+03;
Matches 12; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 4; Page 184; 218pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 96US-0584040.
95US-0005974.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            96WO-US17480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (RIBO-) RIBOZYME PHARM INC.
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TD AAX75543 standard; RNA; 18
                                                                          28-JUL-1999 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (CHIR ) CHIRON CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            25-OCT-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                     WO9715662-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11-JAN-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                Immunosuppressant inhibitor; transforming growth factor beta; TGF beta; vascular endothelial growth factor; VEGF; interleukin-10; IL-10; cancer; prostaglandin E2; PGEZ; immune response; tumour; asthma; Grohn's disease; monocyte chemotactic protein-1; MCP-1; ulcerative colitis; diabetes; glomerulonephritis; acute respiratory distress syndrome; 88; atherosclerosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Composition containing immune stimulant and inhibitor of agent tadversely affects the immune response, for treating cancers and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ó
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                                                                                                                                                                           Immunosuppressant inhibitor oligonucleotide flt-rm-2115.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Schlingensiepen R, Brysch W;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (BIOG-) BIOGNOSTIK GES BIOMOLEKULARE DIAGNOSTIK.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 17 BP; 4 A; 6 C; 5 G; 2 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 10; Figure 1; 30pp; English.
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AAX75542/c
ID AAX75542 standard; RNA; 18 BP.
               AAZ65597 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       99WO-EP04013.
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98EP-0113974
                                                                                                                      (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2000-097470/08
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25-JUL-1998;
                                                                                                                            30-MAR-2000
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Gaps . 0

Length 18; 0; Indels

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Mus sp.

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This sequence represents a PCR primer for DNA encoding the human forkhead transcription factor gene, designated FKHL7, of the invention. FKHL7 can be used in a novel method for treating or preventing the development of a congenital heart disease (CHD) in a subject. The FKHL7 sequences can be used for diagnosis, prognosis, monitoring, prevention and treatment of CHD. They can also be used for the production of transgenic animals and drug screening.
                                                                                                                                                                                                              The invention provides a human forkhead transcription factor gene, FKHL7. The FKHL7 protein can be produced by standard recombinant methodology. The products can be used for diagnosis, prognosis, monitoring, prevention and treatment of glaucoma. They can also be used for the production of transgenic animals and drug screening. Sequences AAZ38081-110 represent FCR primers specific for the human FKHL7 gene.
                                                                                                                    New isolated human forkhead transcription factor gene, FKHL7, used to, e.g. develop products for the diagnosis -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                develop products for the diagnosis, prognosis, monitoring, prevention or treatment of congenital heart disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FKHL7; human; forkhead transcription factor gene; diagnosis; therapy; congenital heart disease; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New isolated human forkhead transcription factor gene, FKHL7, used
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Patil
                                                                                                                                                                                                                                                                                                                                                                                              70.6%; Score 12; DB 20; Length 21; 100.0%; Pred. No. 3.5e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
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                                        Nishimura D,
                                                                                                                                                                                                                                                                                                                                                       Sequence 21 BP; 1 A; 7 C; 9 G; 4 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Pred. No. ...
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                                      Stone EM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human FKHL7 gene PCR primer Fkh10-Rv.
                                                                                                                                                                             Claim 31; Page 87; 99pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 31; Page 85; 98pp; English
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    (IOWA ) UNIV IOWA RES FOUND.
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98US-0083351
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                                          Alward WLM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAZ31700 standard; DNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                17-JAN-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.0
"...heg 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 CGGCCCAGCAGC 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12 CGGCCAGCAGC 1
                                                                               WPI; 1999-620429/53.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 1999-620257/53.
                                          Sheffield VC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     22-MAY-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     21-OCT-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 14
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    셤
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present invention describes nucleic acid molecules which modulate the synthesis, expression and/or stability of a mRNA encoding 1 or more receptors of vascular endothelial growth factor (VBGF). A patient (preferably human) having a condition associated with the level of the fms-like tyrosine kinase 1 (flt-1), kinase insert domain containing receptor (KDR) and/or foetal liver kinase 1 (flk-1) (e.g. tumour angiogenesis, ocular diseases, psoriasis and rheumatoid arthritis) can be treated by administering the nucleic acid molecule or the expression vector to the patient. AAX67275 to AAX75752 represent specific examples of nucleic acid molecules from the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Forkhead transcription factor gene; FKHL7; treatment; glaucoma; human; transgenic animal; drug screening; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                              nucleic acid molecule modulating VEGF receptor(s) gene expression or mRNA stability - useful for treating e.g. tumour angiogenesis, psoriasis, rheumatoid arthritis, etc., in a human patient
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 18;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human FKHL7 gene specific reverse primer Fkh10-Rv.
                                                                                                                                                                                                                                                                                                                                                                                            Nucleic acid molecule modulating VEGF receptor(s)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         70.6%; Score 12; DB 18; I
100.0%; Pred. No. 3.5e+03;
                                                                                                                                                                                                                                                                                                                  Stinchcomb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 18 BP; 3 A; 6 C; 6 G; 3 U; 0 other;
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100.0%; Mismatches
                                                                                                                                                                                                                                                                                                                  Pavco P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 4; Page 184; 218pp; English.
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                                                                                                                                                           96WO-US17480
                                                                                                                                                                                                96US-0584040.
95US-0005974.
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                                                                                                                                                                                                                                                                           (RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                  McSwiggen J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         22-FEB-2000 (first entry)
foetal liver kinase 1; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 100
Matches 12; Conservative
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                                                                                                                                                                                                                                                                                                                                                         WPI; 1997-259017/23.
                                                                                                                                                                                                                                                       CHIR ) CHIRON CORP
                                                                                                                                                           25-OCT-1996;
                                                                             WO9715662-A2
                                                                                                                                                                                                11-JAN-1996;
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22-MAY-1998;
                                                                                                                                                                                                                                                                                                                  Escobedo J,
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                                                                                                                    01-MAY-1997
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Query Match

Š g AAZ38106;

RESULT 13 AAZ38106

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Gaps

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Query Match 70.6%; Score 12; DB 20; Length 21; Best Local Similarity 100.0%; Pred. No. 3.5e+03; Matches 12; Conservative 0; Mismatches 0; Indels

Sequence 21 BP; 1 A; 7 C; 9 G; 4 T; 0 other;

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The invention relates to the himan ABC1 cholesterol transporter protein (B38082) and to nucleic acid sequences (C69120) which encode it. ABC1 is a member of the AFP binding cassette (ABC transporter) superfamily of proteins, and plays a crucial role in cholesterol transport, particularly involved in cholesterol trafficking in monocytes and fibroblasts, being concluded in cholesterol efflux from the cell. The gene encoding ABC1 is concated on chromosome 9431, and mutations in this gene encoding ABC1 is concated on chromosome 9431, and mutations in this gene encoding ABC1 is concated on chromosome 9431, and mutations in this gene encoding ABC1 is concated on chromosome 9431, and mutations in this gene are associated with two generic HDL (high density lipoprotein) deficiency disorders, cransist adjustable in that TD is an autosomal recessive disorder, while FHA is inherited as an autosomal dominant trait. Low levels of HDL ("good correlate with a high risk of cardiovascular disease, particularly coronary artery disease, but also cerebrovascular coronary restenosis, and peripheral vascular disease.

Conceast coronary restenosis, and peripheral vascular disease.

Coronary restenosis.
                                                                                                                                                                                                                                                                                                                                                                     Human ABC1 cholesterol transporter; chromosome 9931;
ATP-binding cassette; HDL deficiency disorder; high density lipoprotein;
Tangier disease; TD; familial HDL deficiency; FHA; polymorphism;
cardiovascular disease; coronary artery disease; coronary restenosis;
cerebrovascular disease; peripheral vascular disease;
Alzheimer's disease; Niemann-Pick disease; Huntington's disease;
Alzheimer's disease; Niemann-Pick disease; Huntington's disease;
X-linked adrenoleukodystrophy; cancer; gene therapy; genetic diagnosis;
prognosis; prophylaxis; drug screening; transgenic animal; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New ABC1 polypeptide is useful for treating diseases associated with ABC1 biological activity, e.g. Alzheimer's disease, Huntington's disease and cancer -
                                                                                                                                                                                                                                                                                                                          Human ABC1 gene exon 2 fragment corrected sequence, SEQ ID NO:169.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hayden MR, Wilson AR, Pimstone SN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Examples, Fig 11; 229pp; English.
                                                                                                                                                                        AAC69270 standard, DNA, 22 BP.
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(XENO-) XENON BIORESEARCH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 99US-0124702.
99US-0138048.
99US-0139600.
99US-0151977.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15-MAR-2000; 2000WO-IB00532
                                                                                                                                                                                                                                                                       29-JAN-2001 (first entry)
1 CGGGCCAGCAGC 12
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08-JUN-1999;
17-JUN-1999;
01-SEP-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens.
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                                                                                                                                                                                                                            AAC69270;
                                                                                                                        RESULT 15
AAC69270/c
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cr transgentc cells and non-human animals comprising human ABC1 nucleic acids, and methods of gene therapy for the treatment or prevention of a caddovascular disease comprising the administration of an expression concompasses compounds which mimic ABC1 activity, compounds which a compasses compounds which mimic ABC1 activity, compounds which concompasses compounds which mimic ABC1 activity, compounds which concompasses compounds which mimic ABC1 activity, compounds which concompasses compounds which mimic ABC1 gene to add the to polymorphisms in the concompasses. They may also be used in the treatment of diseases associated cor prevent cardiovascular disease, especially coronary attery disease, coronary restenois or peripheral vascular disease. They may also be used in the treatment of diseases associated with ABC1 plotogical activity, such as Alzhaimer's disease, Niemann-Pick conservation specifically excludes proteins with the exact amino acid sequences of Gensank Accession No: AAD1000: 1 and X7926, and the nucleic sequences of Gensank Accession No: AAD1005: 1 and X7926, and the nucleic sequences of Gensank Accession No: AAD1005: 1 and X7926, and the nucleic sequences of Gensank Accession No: AAD1005: 1 and X7926, and the nucleic sequences of Gensank Accession No: AAD1005: 1 and X7926, and the nucleic sequences of Gensank Accession No: AAD1005: 1 and X7926, and the nucleic sequences of Gensank Accession No: AAD1005: 1 and X7926, and the nucleic sequences of Gensank Accession No: AAD1005: 1 and X7926, and the nucleic of human ABC1 gene exon fragments.

Ouery Match

Best Local Similarity 100.0%; Pred. No. 3.5e+03;

Matches 12; DB 21; Length 22;

Best Local Similarity 100.0%; Pred. No. 3.5e+03;

Matches 12; DB 22; ABCAGCTGACA 1

Db 12 CAGCAGCTGACA 1

Db 12 CAGCAGCTGACA 1

Search completed: June 23, 2003, 05:43:42
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Database
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Maximum Match
Listing first
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Gapop 10.0 , Gapext 1.0
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Copyright (c) 1993 - 2003 Compugen
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87: /cgn2 6/ptodata/2
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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|--|---|--|-----------------------|
| 1111 | | | Score |
| 100.0 | 100.0 | 111111111111111111111111111111111111111 | Query Match Length |
| 2222 | 19 21 21 21 | 11888. | |
| 368 | 1 1 1 3 3 7 | 299 | DB |
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COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: PCT/US97/23619
FILING DATE: Not yet assigned
CLASSIFICATION DATA:
PRIOR APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION NUMBER: US 08/770,565
FRIOR APPLICATION NUMBER: US 08/770,565
FRIOR APPLICATION NUMBER: US 08/770,565
APPLICATION NUMBER: US 08/770,565
APPLICATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0300
INFORMATION FGR SEQ ID NO: 11:
**SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: Methods for Detecting and Inhibiting the TITLE OF INVENTION: RNA Component of Telomerase NUMBER OF SEQUENCES: 29 CORRESPONDENCE ADDRESS: ADDRESSES: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PCT-US96-14679A-27

PCT-US96-14679A-27

PCT-US97-15394-16

PCT-US99-03302-4

PCT-US99-07533-4

PCT-US99-07533-4

PCT-US99-07533-4

PCT-US99-07533-4

PCT-US99-07533-4

US-08-272-102-23

US-08-272-102-23

US-08-405-496-16

US-08-405-496-16
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US-19-807-809-5

US-10-245-813-2

US-10-245-813-2

US-09-624-177-4

5 US-09-624-177-4

6 US-09-956-604A-135337

6 US-09-956-604A-135337

6 US-09-956-604A-135337

2 US-10-215-112-6862

7 US-60-233-620-66031

7 US-60-233-620-66031

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9 US-60-353-987-393144

9 US-60-353-987-393166
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Sequence 27, Appl
Sequence 16, Appl
Sequence 4, Appli
Sequence 4, Appli
Sequence 4, Appli
Sequence 23, Appl
Sequence 23, Appl
Sequence 16, Appl
Sequence 16, Appl
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4, Appli
135337,
135337,
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16862, Ap
66631, Ap
1310656,
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MEDIUM TYPE: 9411.

COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: PATTING SYSTEM: PC-DOS/MS-DOS
COMPUTER: PATTING SYSTEM: PC-DOS/MS-DOS
COMPUTER: PATTING PAT
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US-08-770-564A-11
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LOCATION: 1..11
COTHER INFORMATION: /note= "oligo 21ab2"
PCT-US97-23619-11
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Best Local Similarity 100.0%; Pred. No. 1.5e+04;
Matches 11; Conservative 0; Mismatches 0;
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Best Local Similarity 100.0%; Pred. No. 1.5e+04;
Matches 11; Conservative 0; Mismatches 0; Indels
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APPLICANT: Fruzan, Ron
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE:
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 11 base pairs TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear
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RESULT 3 US-09-540-1198-11

RESULT 1 PCT-US97-23619-11

ALIGNMENTS

Sequence 11, Application PC/TUS9723619 GENERAL INFORMATION:

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Sequence 12, Appr...

GENERAL INFORMATION:

APPLICANT: Gryaznov, Sergei

APPLICANT: Pruzan, Ronald
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PCT-US97-23619-10
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TITLE OF INVENTION: Telomerase Inhibitor Polynucleotides
FILE REFERENCE: 029/001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/09/540,119B
CURRENT FILING DATE: 2000-03-31
NUMBER OF SEQ ID NOS: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Pruzan, Ronald
APPLICANT: Weinrich, Scott
TITLE OF INVENTION: Telomerase Inhibitor Polynucleotides
FILE REFERENCE: 029/001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/09/540,119B CURRENT FILING DATE: 2000-03-31
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GENERAL INFORMATION:
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APPLICANT: Pruzan, Ronald
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 11
                                                                                                                                                         APPLICANT:
                                                                                                                                                                                           APPLICANT:
                         CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Ploor
                                                                                     TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                          APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                        Local
CITY: San Francisco
STATE: California
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Similarity 100.0%;
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                                                                                     RNA Component
29
                                                                                                    Methods for Detecting and Inhibiting the RNA Component of Telomerase
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                                                                                                                                                                                                                                                                                                                                                                            Sequence 10, Application US/087
GENERAL INFORMATION:
APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott
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                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, V
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564/
FILING DATE: 20-DEC-1996
CLASSIFICATION: 514
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: 19
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 1
FILING DATE: 20-DEC-
PRIOR APPLICATION DATA:
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PRIOR APPLICATION NUMBER: US 08/770,564
                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION:
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                 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
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ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE:
                                                                                                                                                                                             ZIP: 94111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LOCATION: 1..15
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Storella, John R. REGISTRATION NUMBER: 32
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CLASSIFICATION:
                                                                                                                                                                                                                                       STATE:
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                                                                                                                                                                                                                  COUNTRY:
                                                                                                                                                                                                                                                      CITY:
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Storella, John R.
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                                                                                                                                                                                                                                                                                                                                            Inhibitory Polynucleotides Directed Against the RNA Component of Telome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 11; DB 1; 100.0%; Pred. No. 1.6e+04; cive 0; Mismatches 0;
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                                                                                                      Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                    Scott L.
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                                                                      US/08/770,564A
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ÚS-08-770-564A-10

MOLECULE TY

TYPE:

STRANDEDNESS

ELEPHONE:

Matches

11;

US-08-974-549-543 Sequence 543, App. GENERAL INFORMATI

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Query Match
Best Local Similarity
                                 PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US 08/911,312
APPLICATION NUMBER: 14-AUG-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Harley, Calvin B. APPLICANT: Andrews, William TITLE OF INVENTION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Cech, Thomas k.
APPLICANT: Lingmer, Joachim
APPLICANT: Nakamura, Toru
APPLICANT: Chapman, Karen B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER:
FILING DATE: 01-0CT
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                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER:
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                                                                                                                                                                                 CATION NUMBER:
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                                                                                                                                                                                                              ICATION DATA:
ION NUMBER: US 08/846,017
ATE: 25-APR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       E: Townsend and Townsend and Crew LLP Two Embarcadero Center, Eighth Floor
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CATION DATA:
ON NUMBER: US 08/912,951
TE: 14-AUG-1997
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VENTION: Human Telomerase Catalytic Subunit
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JMBER: US 08/851,843
06-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                    UMBER: US/08/974,549
19-NOV-1997
                                                                                                           ON DATA:
JMBER: US 08/854,050
09-MAY-1997
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100.0%; Pred. No. 1.6e+04
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US-09-402-181A-543
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100.0%; Score 11; DB 13;
Best Local Similarity 100.0%; Pred. No. 1.6e+04;
Matches 11; Conservative 0; Mismatches 0;
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REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
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APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: -
LOCATION: 1..18
OTHER IFORMATION: /note= "antisense hTR molecule"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: WO PCT/US97/17885 FILING DATE: 01-OCT-1997
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                                                                                                         COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

COPERATING SYSTEM: PC-DOS/MS-DOS

SOFTMARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION NUMBER: US/09/402,181A

PILING DATE: 29-Sep-1997

CLASSIFICATION: CUnknown>
                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-0CT-1996
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Cech, Thomas R.
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LICATION NUMBER: WO PCT/US97/17618
ING DATE: 01-OCT-1997
APPLICATION DATA:
APPLICATION DATA:
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CITY: San Francisco
STATE: California
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Chapman, Karen B.
Morin, Gregg B.
Marin, Gregg B.
Harley, Calvin B.
Andrews, William H.
OF INVENTION: Human Telomerase Catalytic Subunit
R. OF SEQUENCES: 633
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ADDRESSEE: Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
      PPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Application US/09402181A
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    US 08/846,017
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Best Local S
Matches 11
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APPLICANT: Cech. Th-
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    SOPTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/402,181B
FILING DATE: 29-Sep-1997
CLASSIFICATION: <UNknown>
PRIOR APPLICATION DATA:
                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                  Chapman, Karen B.
Morin, Gregg B.
Harley, Calvin B.
Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
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TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Ausenhus, Scott L. REGISTRATION NUMBER: 42,271
                                                                                                                                                                                                                                        STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IOCATION: 1..18
OTHER INFORMATION:
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                                                                                                                                                                                                                                                                 CITY: San Francisco
                                                                                                                                                                                                                                                                              ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 08/915,503 FILING DATE: 14-AUG-1997
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FILING DATE: 14-AUG-1997
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FILING DATE: 14-AUG-1997
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                                                                                                                                                                                                                                                                                                                                             OF SEQUENCES: 633
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Nakamura, Karen B.
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US-09-432-503-543
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                ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC COMPATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
ATTORNEY/AGENT INFORMATION:
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ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
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                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
                                                                                                                                                                                                                                                       Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
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                                                                                                                                        STATE: California
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REGISTRATION NUMBER: 42,271
REFERENCE/DOCKET NUMBER: 015389-002620US
                                                                                                                     COUNTRY: USA
                                                                                                                                                            CITY: San Francisco
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FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
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FILING DATE: 09-MAY-1997
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Chapman, Karen B.
Morin, Gregg B.
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Lingner, Joachim
PatentIn Release #1.0, Version #1.30
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Length 18; Indels

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OTHER INFORMATION: /;
sequence description: 
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US-09-721-477-543
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FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/854,6017
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/854,050
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/854,050
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/911,312
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO 80/915,503
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
ATTORNEY/AGENT INFORMATION:
NAME: APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
ATTORNEY/AGENT INFORMATION:
TELEPHONE: (415) 576-0200
INFORMATION: TELEPHONE: (415) 576-0200
INFORMATION: GREEN SEQUENCE: CHARACTERISTICS:
LENGTH: 18 NAME PASTICS:
LENGTH: 18 NAME PASTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 100.0%; Score 11; DB 18;
Best Local Similarity 100.0%; Pred. No. 1.6e+04;
Matches 11; Conservative 0; Mismatches 0;
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TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
FEATURE:
                                                                                              Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
Morin, Greeg B.
Morin, Greeg B.
Harley, Calvin B.
Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 727
CORRESPONDENCE ADDRESS:
ADDRESSE: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION DATA:
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                                                            STREET: T
CITY: San
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Application US/09721477
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Q ID NO: 543:
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                                                                                                                                                                                                                                                 RESULT 12
US-09-721-506-543
; Sequence 543, Application US/09721506
; Sequence 543, Application US/09721506
; GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
APPLICANT: Lingner, Joachim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; NAME/KEY: -...18; LOCATION: 1...18 COCATION: /note= "antisense hTRT molecule"; SEQUENCE DESCRIPTION: SEQ ID NO: 543:
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Best Local
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APPLICATION NUMBER: US 08/911,312

FILLING DATE: 14-AUG-1997

APPLICATION NUMBER: US 08/912,951

FILLING DATE: 14-AUG-1997

APPLICATION NUMBER: US 08/915,503

FILLING DATE: 14-AUG-1997

APPLICATION NUMBER: WO PCT/US97/17618

APPLICATION NUMBER: WO PCT/US97/17618

APPLICATION NUMBER: WO PCT/US97/17885

FILLING DATE: 01-OCT-1997

APPLICATION NUMBER: WO PCT/US97/17885

FILLING DATE: 01-OCT-1997

ATTORNEY/AGENT INFORMATION:

NAME: Apple, Randolph Ted

REGISTRATION UMBER: 36,429

REFERENCE/DOCKET NUMBER: 015389-002610US

TELECHOMUNICATION INFORMATION:

TELEPHONE: (415) 576-0200

TELEPHONE: (415) 576-0300

SEQUENCE CHARACTERISTICS:

SEQUENCE CHARACTERISTICS:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: lin
MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 11; DB 29; 11 Similarity 100.0%; Pred. No. 1.6e+04; 11; Conservative 0; Mismatcher
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FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
FILING DATE: 06-MAY-1997
FILING DATE: 09-MAY-1997
FILING DATE: 09-MAY-1997
: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
Morin, Gregg B.
Harley, Calvin B.
Andrews, William H.
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RESULT 13
PCT-US97-23619-9
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Sequence 9, Application PC/TUS9723619 GENERAL INFORMATION:
                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REGISTRĂTION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
TELECOMMUNICATION INFORMATION:
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MEDIUM TYPE: Floppy disk
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ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 727
                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                    GCTCTAGAATG 11
                                                                                                                                                                                                                                                                                                                                                        NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Apple,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: WO PCT/US97/17885 FILING DATE: 01-OCT-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US 08/724,643 FILING DATE: 01-OCT-1996
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LING DATE: 06-MAY-1997
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NG DATE: 14-AUG-1997
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NG DATE: 09-MAY-1997
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                                                                                                                                                                                                                                                                                                                                                                                                               linear
                                                                                                                                                                                                                   100.0%;
                                                                                                                                                                                                              100.0%; Score 11; DB 29; Length 18; 100.0%; Pred. No. 1.6e+04;
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                                                                         APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
                                  NUMBER OF SEQUENCES: 1:
                                                                                                                    APPLICANT:
  STREET:
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                      ADDRESSEE:
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E: TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor

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US-08-770-564A-9
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         Sequence 9, Application US/08770564A
GENERAL INFORMATION:
APPLICANT: Kealey, James T.
                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (415) 576-03
INFORMATION FOR SEQ ID NO:
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APPLICANT:
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APPLICANT:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compati
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APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: 15
TELECOMMUNICATION INFORMATION:
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ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                   FEATURE:
                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE:
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release "
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: FILING DATE: 20-DEC
                                                                                                                                                                                                                                                                NAME/KEY: -
LOCATION: 1.19
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: N
CLASSIFICATION:
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                                                                                                                                                                                                                                                                                                                                                               STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                              ENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           San Francisco
: California
                                                                                                                                                                                                       Similarity
                                                                                                                          GCTCTAGAATG
                                                                                                                                                         GCTCTAGAATG 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Storella, John R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          E: Townsend and Townsend and Crew LLP
Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                              19 base pairs
Pruzan,
                                                                                                                                                                                                                                                                                                                                                                                                                                            (415) 576-0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              USA
                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                  linear
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                                                                                                                                                                                                     100.0%; Score 11; DB 1; 100.0%; Pred. No. 1.6e+04
                                                                                                                                                                                                                                                                   /note= "oligo 21ab"
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                                                                                                                                                                                        Mismatches
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                                                                                                                                                                                                                    Length 19;
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COMPUTER: READMALE FORM:

MEDITMY TYPE: FLOREY dask
COMPUTER: 18 PC Compactible
COMPUTER: 18 PC Compactible
COMPUTER: 18 PC COMPACTION
COMPA
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TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
US-07-887-265A-13

Query Match
Best Local Similarity 100.0%; Score 11; DB 3; Length 21;
Matches 11; Conservative 0; Mismatches 0; Indels
Matches 11; Conservative 0; Mismatches 0; Indels
Oy 1 GCTCTAGAATG 1

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Search completed: June 25, 2003, 06:20:27 Job time: 934.994 secs

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Post-processing: Minimum Match
Maximum Match
Listing first
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Minimum DB
Maximum DB
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Perfect score:
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                                                                                                                                                                                                                                                                                                                     score greater than or equal to the score of the result beir and is derived by analysis of the total score distribution.
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                                                                                                                                                                                                                                                         Score
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seq length: 50
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           June 25, 2003, 13:28:54; Search time 33.4382 Seconds (without alignments)
482.732 Million cell updates/sec
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Gapop 10.0 , Gapext 1.0
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11:
12:
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cgn2_6/ptodata/1/pubpna/PCT_1
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n2_6/ptodata/1/pubpna/USO8 PUBCOMB.seq:*
n2_6/ptodata/1/pubpna/USO9 NEW PUB.seq:*
gn2_6/ptodata/1/pubpna/USO9 NEW PUB.seq:*
gn2_6/ptodata/1/pubpna/USI0 NEW PUB.seq:*
gn2_6/ptodata/1/pubpna/USI0 PUBCOMB.seq:*
gn2_6/ptodata/1/pubpna/USI0 PUBCOMB.seq:*
gn2_6/ptodata/1/pubpna/US60 NEW PUB.seq:*
gn2_6/ptodata/1/pubpna/US60 NEW PUB.seq:*
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6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
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US-10-245-813-2

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US-10-118-495-11

US-09-952-522B-19

US-09-952-522B-19

US-09-044-692-312

US-09-044-539-312

US-09-044-539-312

US-09-044-539-312

US-09-044-539-312

US-09-044-508-8
                       US-10-162-223-2
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US-09-952-522B-9
US-09-952-522B-17
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             US-09-784-508-10
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         Sequence 16, Appl
Sequence 11, Appl
Sequence 13, Appl
Sequence 19, Appl
Sequence 312, App
Sequence 312, Appl
Sequence 23, Appl
Sequence 23, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 10, Appli
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Sequence 5, Appli
Sequence 9, Appli
Sequence 17, Appl
Sequence 2, Appli
Sequence 2, Appli
Sequence 6862, Ap
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Sequence 14,
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           INFORMATION
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| 45 | 44 | 43 | 42 | 41 | 40 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 | 20 |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 11 | 11 |
| 90.9 | 90.9 | ٠ | | • | • | 90.9 | 90.9 | 90.9 | | ٠ | 90.9 | | | 90.9 | | 90.9 | 90.9 | | 90.9 | | • | 90.9 | ٠ | 100.0 | 100.0 |
| <u>ن</u> | 30 | 30 | 29 | 29 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 25 | 25 | 25 | 25 | 25 | 25 | 23 | 23 | 22 | 21 | 21 | 36 | 36 |
| 10 | 9 | 9 | છ | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 10 | æ | 10 | 9 |
| US-09-957-485-13 | | US-09-987-021-13 | US-10-083-590-4 | US-10-117-846-27 | US-09-954-586-42 | US-09-954-586-38 | | US-09-954-586-30 | US-09-954-695-42 | US-09-954-695-38 | US-09-954-695-34 | US-09-954-695-30 | US-10-098-263B-104702 | US-10-098-263B-80110 | US-10-098-263B-80109 | US-10-098-263B-44594 | US-10-098-263B-44593 | US-10-098-263B-8894 | US-10-071-485-49 | US-09-989-706-2 | US-09-981-648-11 | US-09-767-479-15 | US-08-913-322-3 | US-09-784-508-11 | US-10-127-816-18 |
| e 13, | Sequence 17, Appl | 13, | Sequence 4, Appli | Sequence 27, Appl | Sequence 42, Appl | - | 34, | зo, | Sequence 42, Appl | 38, | 34, | Sequence 30, Appl | Sequence 104702, | Sequence 80110, A | | Sequence 44594, A | Sequence 44593, A | 8894 | 49, | N | 1, , | e 15 | ≱ | Sequence 11, Appl | Sequence 18, Appl |

ALIGNMENTS

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COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/997,868
FILING DATE: 12-Mar-2002
CLASSIFICATION: <Unknown>
                                                                                                                               PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/887265

FILING DATE: 22-MAY-1992

APPLICATION NUMBER: 07/803631

FILING DATE: 06-DEC-1992

APPLICATION NUMBER: PCT/US92/10621

FILING DATE: 04-DEC-1992

ATTORNEY/AGENT INFORMATION:

NAME: Love, Richard B.
TELEFAX: 650/952-9881
WATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
                                                        TELEPHONE: 650/225-5530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Gorman, Cornelia M.
                                                                                               REFERENCE/DOCKET NUMBER: 34,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STATE: California COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: 1 DNA Way
CITY: South San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OF INVENTION: Prohormone
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                                                                                                                 34,659
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SEQUENCE DESCRIPTION: SEQ ID NO: US-09-997-868-13

STRANDEDNESS: Single

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; ORGANISM: primer
US-09-765-873A-5
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FILL REFERENCE: 30448 77USI1
CURRENT APPLICATION NUMBER: US/09/952,522B
CURRENT ETLING DATE: 2001-09-10
PRIOR APPLICATION NUMBER: PCT/US00/06232
PRIOR FILING DATE: 2000-03-10
PRIOR APPLICATION NUMBER: 60/L23,711
PRIOR FILING DATE: 1999-03-10
PRIOR FILING DATE: 1999-10-29
PRIOR FILING DATE: 1999-10-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: BLOPRODUCTION OF PARA-HYDROXYCINNAMIC ACID FILE REFERENCE: BC1009 US CIP CURRENT APPLICATION NUMBER: US/09/765,873A CURRENT FILING DATE: 2001-01-19 PRIOR APPLICATION NUMBER: US 09/627,216 PRIOR PILING DATE: 2000-07-27 PRIOR PILING DATE: 2000-07-27 PRIOR PILING DATE: 1999-08-06 NUMBER OF SEQ ID NOS: 38 SOFTWARE: Microsoft Office 97 SEQ ID NOS: 38 SOFTWARE: MICROSOFTWARE: MIC
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                                                                                                                                                                                                                                                                                                                                                                              TLE OF INVENTION: ADIPOSE-DERIVED STEM CELLS AND LATTICES
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0. US20010053847A1
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1 Similarity 100.0%;
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Hedrick, Marc H.
Benhaim, Prosper
Lorenz, Hermann Peter
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Pred. No.
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Pred. No.
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OTHER INFORMATION: Description of Artificial Sequence: Osteopontin; OTHER INFORMATION: forward primer US-09-952-522B-17
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CURRENT APPLICATION NUMBER: US/09/952,522B
CURRENT TILING DATE: 2001-09-10
PRIOR APPLICATION NUMBER: PCT/US00/06232
PRIOR TILING DATE: 2000-03-10
PRIOR APPLICATION NUMBER: 60/123,711
PRIOR FILING DATE: 1999-10-29
PRIOR FILING DATE: 1999-10-29
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SOFTWARE: PatentIn Ver. :
SEQ ID NO 17
LENGTH: 23
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
APPLICANT: Zhu, Min
TITLE OF INVENTION: ADIPOSE-DERIVED STEM CELLS
FILE REFERENCE: 30448.77USI1
CURRENT APPLICATION NUMBER: US/09/952,522B
                                                                                                               APPLICANT: Katz, Adam J.
APPLICANT: Liuil, Ramon
APPLICANT: Futrell, J. William
APPLICANT: Hedrick, Marc H.
                                                                                                                                                                                                                                                       09-952-5228-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 2
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION
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1 Similarity 100.0%;
11; Conservative (
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No. US20030082152A1
                                                                             Benhaim, Prosper
Lorenz, Hermann Peter
                                                                                                                                                                                                                                   Application US/09952522B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Jenhaim, Prospe-
Forenz, Hermann Peter
                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                   US20030082152A1
                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 11;
100.0%; Pred. No. 9
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Pred. No. 9.9
0; Mismatches
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9.9e+02
                                            AND LATTICES
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                                                                                                                                                                                                                                                    RESULT 7
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; OTHER INFORMATION: casp3L primer
US-10-245-813-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-245-813-2
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; OTHER INFORMATION: forward primer
US-09-952-522B-31
                                                                                                                                                                                                                               US-10-215-112-6862/c
                                                                                                                                                                                  Sequence 6862, Application US/10215112 Publication No. US20030082596A1
                                                                                                                                                                                                                                                                                                                                                                                                 Matches
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Best Local S
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LENGTH: 24
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                                                                                                                                                                      GENERAL INFORMATION:
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FILE REFERENCE: 3119
CURRENT APPLICATION NUMBER: US/10/215,112
CURRENT FILING DATE: 2002-08-08
NUMBER OF SEQ ID NOS: 14936
SOFTWARE: FASESEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILE REFERENCE: 118.19-US-01
CURRENT APPLICATION NUMBER: US/10/245,813
CURRENT FILING DATE: 2002-09-17
PRIOR APPLICATION NUMBER: 2001-57353
PRIOR FILING DATE: 2001-09-17
                                                                                                        TITLE OF INVENTION: Method of Genetic Analysis of Probes: TITLE OF INVENTION: Test3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Gyun Min Lee
APPLICANT: No. US20030060443A1Soo Kim
TITLE OP INVENTION: INHIBITION OF APOPTOSIS BY THE
TITLE OP INVENTION: EXPRESSION OF ANTISENSE RNA OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: 60/123,711
PRIOR FILING DATE: 1999-03-10
PRIOR APPLICATION NUMBER: 60/162,462
PRIOR FILING DATE: 1999-10-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT FILING DATE: 2001-09-10 PRIOR APPLICATION NUMBER: PCT/US00/06232 PRIOR FILING DATE: 2000-03-10
                                                                                                                                                APPLICANT: Michael Mittmann
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA ORGANISM: Artificial Sequence
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100.0%; Pred. No. 9.9e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 16, Application US/10011366
Publication No. US20030054493A1
GENERAL INFORMATION:
APPLICANT: Williams, James A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ ID NO 6862
Query Match
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Best Local S
                                                                                                                                                                                       INFORMATION FOR SEQ ID NO: 16:
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ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
NAME: Ingolia, Diane E.
REGISTRATION NUMBER: 40,027
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                       SEQUENCE DESCRIPTION:
                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                         TELEPHONE: (415) 705-8410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: IDENTIFICATION OF NEUTRALIZING OF TOXIN A AND TOXIN B FOR THE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/10/011,366
FILING DATE: 16-No. US20030054493A1-2001
CLASSIFICATION: <UNKnown>
                                                                                                                            LENGTH: 26 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER: OPHD-01121
                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US 08/161,907
FILING DATE: 02-DEC-1993
APPLICATION NUMBER: US 07/985,321
FILING DATE: 04-DEC-1992
APPLICATION NUMBER: US 07/429,791
FILING DATE: 31-OCT-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/08/957,310 FILING DATE: 23-CCT-1997 APPLICATION NUMBER: US 08/329,154 FILING DATE: 24-CCT-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STATE: California
                                                                                                          STRANDEDNESS: single
                                                                                                                                                                                                       TELEFAX: (415)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: United States of America
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                                                                                          linear
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100.0%; Pred. No. 9.9e+02;
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100.0%;
                                                     (genomic)
N: SEQ ID NO: 16:
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TREATMENT OF C.
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Score 11;

DB 9

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US-10-118-495-13
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Publication No. US20030074688A1
GENERAL INFORMATION:
APPLICANT: Benning, Christoph
APPLICANT: Klug, Rouven
APPLICANT: Klug, Rouven
APPLICANT: Klug, Rouven
APPLICANT: Klug, Rouven
APPLICATION: Compositions and Methods for the Production of Betaine Lipids
FILE REFERENCE: MSU-06897
CURRENT APPLICATION NUMBER: US/10/118,495
CURRENT PILING DATE: 2002-04-08
PRIOR APPLICATION NUMBER: 60/283,812
PRIOR APPLICATION NUMBER: 60/283,812
PRIOR APPLICATION NUMBER: 60/283,812
PRIOR APPLICATION NUMBER: 05/283,812
PRIOR PRIOR FILING DATE: 2001-04-13
NUMBER OF SEQ ID NOS: 42
SOFTWARE: Patentin version 3.1
SEQ ID NO: 12
LENGTH: 26
                                                                                                                                                                                                                                                                                                          SOFTWARE: Pat
SOFTWARE: Pat
SEQ ID NO 13
SEQTH: 26
                                                                                                                                                                                                                                                                                                                                                           Sequence 13, Application US/10118495
Publication No. US20030074688A1
GENERAL INFORMATION:
APPLICANT: Benning, Christoph
APPLICANT: Klug, Rouven
APPLICANT: Klug, Rouven
APPLICANT: Klug, Rouven
APPLICANT: Klug, Rouven
APPLICANT: LORDOSITIONS and Methods for the Production of Betaine Lipids
FILL REFERENCE: MSU-06897
CURRENT APPLICATION NUMBER: US/10/118,495
CURRENT FILING DATE: 2002-04-08
PRIOR APPLICANION NUMBER: 60/283,812
PRIOR APPLICANION NUMBER: 60/283,812
PRIOR APPLICANION NUMBER: 60/283,812
PRIOR FILING DATE: 2001-04-13
NUMBER OF SEQ ID NOS: 42
PRIOR DESCRIPTO MOS: 43
NUMBER OF SEQ ID NOS: 42
PRIOR DESCRIPTO MOS: 43
NUMBER OF SEQ ID NOS: 42
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Best Local
                                                                                                          Query Match

100.0%; Score 11; DB 9; Length 26;

Best Local Similarity 100.0%; Pred. No. 1e+03;

Matches 11; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                              TYPE: DNA
ORGANISM: Artificial Sequence
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OTHER INFORMATION: Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Artificial Sequence
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hes 11; Conservative 0;
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1 GCTCTAGAATG 11
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                       GCTCTAGAATG 11
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FILE REFERENCE: 30448.77USI1
CURRENT APPLICATION NUMBER: US/09/952,522B
CURRENT FILING DATE: 2001-09-10
PRIOR APPLICATION NUMBER: PCT/US00/06232
PRIOR FILING DATE: 2001-03-10
PRIOR FILING DATE: 2001-03-10
PRIOR FILING DATE: 2001-03-10
PRIOR FILING DATE: 1999-03-10
PRIOR FILING DATE: 1999-03-09
PRIOR FILING DATE: 1999-10-29
NUMBER OF SEQ ID NOS: 58
SECTUBE: DATE: 1998-10-29
LENGTH: 26
TYDE: NEWS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 12
US-10-044-692-312
; Sequence 312, Applicati
; Publication No. US20030
; PUBLICATION NO. HOROMATION;
; GENERAL INFORMATION;
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US-09-952-522B-19
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Best Local :
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ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Bone
OTHER INFORMATION: sialoprotein forward primer
                                                                                                                                                                                                                                                                                                                                                      Lingner, Joachim
Nakamura, Toru
Nakamura, Toru
Chapman, Karen B.
Morin, Gregg B.
Harley, Calvin
Andrews, William H.
TITLE OF INVENTION: HUWAN TELOMERASE CATALYTIC SUBUNIT:
THERAPEUTIC METHODS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/044,692
FILING DATE: 11-Jan-2002
                                                                COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 335
CORRESPONDENCE ADDRESS: Townsend and Townsend and Crew LLP
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
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Hedrick, Marc H.
Benhaim, Prosper
Lorenz, Hermann Peter
                                                                                                                                                                                                     COUNTRY: United States of America
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10. US20030082152A1
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o. US20030096344A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Cech, Thomas R
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CLASSIFICATION: <Unknown>

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RESULT 13
US-10-044-539-312
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 312,
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              COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/044,539
FILING DATE: 11-Jan-2002
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 312:
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REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002600US
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT: THERAPEUTIC METHODS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR
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APPLICATION NUMBER: US 08/851,843
FILING DATE: 06-MAY-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
                                                                                                                                                                                                                                                       CITY: San Francisco
STATE: California
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TYPE: nucleic acid
STRANDEDNESS: single
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APPLICATION NUMBER: 08/912,951
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TELEFAX: (415) 576-0300
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o. US20030100093A1
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Chapman, Karen B.
Morin, Gregg B.
Harley, Calvin
Andrews, William H.
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Pred. No. 1e+03;
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RESULT 14
US-09-057-351-23
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                                                                                              COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Ver

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/99/057,351

FILING DATE: 08-APR-1994

CLASSIFICATION DATA:

APPLICATION NUMBER: US 08/272,102

FILING DATE: 07-UUL-1994

PRIOR APPLICATION DATA:

APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: Villeponteau
APPLICANT: Feng, Junli
APPLICANT: Funk, Walter
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                                        FILING DATE: 27-OCT-1994 PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Andrews, William H.
TITLE OF INVENTION: Mammalian Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: Two Embarcac
CITY: San Francisco
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                      APPLICATION NUMBER:
                                                                                   APPLICATION NUMBER:
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LENGTH: 26 base pairs
TYPE: nucleic acid
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APPLICATION NUMBER: US 08/
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/
FILING DATE: 06-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002600US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
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                                                                                                                                                                                                                                                                                                                                                                                                                                  California
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Two Embarcadero Center, Eighth Floor
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UMBER: US 08/472,802
07-JUN-1995
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                                                                                     US 08/330,123
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Pred. No. 1e+03;
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Sequence 8, Application US/09784508
Sequence 8, Application US/09784508
Patent No. US20020046417A1
GENERAL INFORMATION:
APPLICANT: Martin, Robert R.
APPLICANT: Mathews, Helena
APPLICANT: Keller, Karen
APPLICANT: Keller, Karen
APPLICANT: Keller, Karen
APPLICANT: Keller, Karen
ITITLE OF INVENTION: Development of Resistance to Raspberry
ITITLE OF INVENTION: Bushy Dwarf Virus
FILLE REFERENCE: 4257-0024-14
FRILE REFERENCE: 4257-002-14
PRICAR APPLICATION NUMBER: US/09/784,508
CURRENT APPLICATION NUMBER: US 09/737,719
PRIOR APPLICATION NUMBER: US 09/737,719
PRIOR APPLICATION NUMBER: US 60/171,018
PRIOR APP
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Search completed: June 25, 2003, 22:25:08 Job time: 34.4382 secs
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NAME: SCOTELLA, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 0153)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
INFORMATION: FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic ascid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECILE TYPE: DNA
                                                                                                                                                                                                                                                                                                                   Query Match 100.0%; Score 11; DB 10; Length 27; Best Local Similarity 100.0%; Pred. No. 1e+03; Matches 11; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 1e+03;
Matches 11; Conservative 0; Mismatches
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5 GCTCTAGAATG 15
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Listing first
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  seq length: 0
seq length: 50
                                                                                                                                                                                                                                                                                                                                               No. is the number of results predicted by chance to have a greater than or equal to the score of the result being printed, serived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         nucleic search, using sw model
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Query
Match
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1: /cgn2_6/ptodata/2/ina/5A_COMB.seq:*
2: /cgn2_6/ptodata/2/ina/5B_COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A_COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B_COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*
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                                  Length
   GenCore version 5.1.6 (c) 1993 - 2003 Compugen
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 US-08-770-565-11
US-08-770-565-9
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US-08-02-10621-13
PCT-US94-02233-13
PCT-US94-02233-13
PCT-US94-02233-13
US-08-973-068-46
US-08-330-123A-23
US-08-482-115B-23
US-08-482-115B-23
US-08-482-115B-23
US-08-482-178-19
US-08-495-178-19
US-08-495-158-23
US-08-974-549A-598
US-08-974-549A-598
US-08-974-549A-598
US-08-974-549A-598
US-08-974-549A-598
US-09-080-523-23
US-08-974-549A-598
US-09-080-523-23
US-08-974-549A-598
US-09-220-157A-26
US-09-230-157A-26
US-09-230-537A-23
US-09-580-517-23
US-09-958-517-23
US-09-958-517-23
US-09-958-517-23
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Sequence 543, App
Sequence 9, Appli
Sequence 13, Appli
Sequence 13, Appli
Sequence 13, Appli
Sequence 14, Appli
Sequence 5, Appli
Sequence 24, Appli
Sequence 23, Appli
Sequence 23, Appli
Sequence 24, Appli
Sequence 26, Appli
Sequence 27, Appli
Sequence 27, Appli
Sequence 28, Appli
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Sequence 24, Appli
Sequence 16, Appli
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Sequence 29, Appli
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Sequence 21, Appli
Sequence 23, Appli
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Sequence 598, App
          Sequence
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Sequence
 19, Appl
23, Appl
598, Appl
23, Appl
16, Appl
26, Appl
4, Appl
4, Appl
4, Appl
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| Query Matc Best Local Matches | RESULT 1 US-08-770-565-11 Sequence 11, Appl Sequence 11, Appl Patent NO. 504672 GENERAL INFORMAT APPLICANT: WA APPLICANT: COMPUTER: IN- STATE: CA1: COUNTRY: US. ZIP: 94111- COMPUTER READA WEDIUM TYPE: COMPUTER: IN- STATE: CA1: COMPUTER: IN- COMPUTER: US. ZIP: 94111- COMPUTER: US. ZIP: 9411- COMPUTER: US. ZIP: 9411- COMPUTER: US. ZIP: 9411- COMPUTER: US. ZIP: 9411- COMPUTER: US. ZIP: APPLICATION WEDIUM TYPE: CLASSIFICATION REFERENCE/DO. REFERENCE/ | ٠ | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 |
| ch 1 Simi 11; | 1 170-565-11 Appli to See The | | 100 |
| larity Conserva | ij.catic | | 11000000000000000000000000000000000000 |
| 100. 100. tive | Nam Woo Nam Woo You James T. You James T. You Methods fo N. Ronald Ich, Ronald Ich, Ronald Ich, Ronald Ich, Ronald Ich, Ronald Ress: 26 NESS: NESN: NEEND and TOWN PORM: PORM: PORM: IC Compatible N. DATA: | | 27 27 27 27 30 30 30 30 30 30 30 31 31 31 31 31 31 31 31 31 31 31 31 31 |
| ,; ,; | US/087705 AOO James T. Scott L. Scott D. Jand TOWN Addero Cent Jand TOWN Addero Cent Cent Jand TOWN Jand | | 2 U 4 U 2 A 4 U 4 U 4 U 4 U 4 U 4 U 4 U 4 U 4 U 4 |
| Sc Pr | US/08770565 Noo Imas T. mald Scott L. Scott L. Scott L. Gott L. Gott De elomerase 2 6 and TOWNSEND dero Center, and TOWNSEND C-DOS/MS-DOS MS-DOS/MS-DOS | Þ | US-08-7 |
| Score 11; Pred. No.); Mismatc | %65 SEND er, 8 11.0, 0,565 | TIGN | 08-770 08-730 09-375 009-349 09-349 09-349 09-349 09-375 08-810 08-810 08-824 08-684 08-4476 |
| 11; No. 3 latche | Ve th ec | ALIGNMENTS | |
| . 4 8 | ting the crew Floor | 8 | 565-2 419-2 565-8 9565-8 9565-8 9565-8 956-7 1096-7 1172-2 1172-2 1172-2 1190A- 15808- 15808- 1722-7 17008- 1722-7 |
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| Len ; I | P RNA | | |
| ngth Indel | Comp | | |
| 11; | Component | | 24444444444444444444444444444444444444 |
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| Gaps | Hi. | | H H H H H H H H H H H H H H H H H H H |
| Bg | | | A A A A A A A A A A A A A A A A A A A |
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; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-770-565-10
                                                                                                                                                                                                  ; Sequence 543, Ap
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MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/770,565

PILING DATE: 20-DEC-1996

CLASSIFICATION: 435

ATTORNEY/ACENT INFORMATION:

NAME: GENERAL STATE TO BE
                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REGISTRATION NUMBER: 01:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRANDEDNESS: single
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STATE: California
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al Similarity 100.0%;
                                                                                                                                        INFORMATION:
                                                                                                                                                                                  13, Application US/08974549A
6166178
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INVENTION: Methods for Detecting the RNA Component of INVENTION: Telometase
                                                                                                                                                                                                                                                                                     GCTCTAGAATG 11
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Two Embarcadero Center, 8th Floor
Morin, Gregg B.
Harley, Calvin B.
Andrews, William H.
ZENTION: Human Telomerase Catalytic Subunit
ROUENCES: 727
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Fred
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Pred. No. 3.4e+02;
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, LOCATION: 1..18
, OTHER INFORMATION: US-08-974-549A-543
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Best Local S
Matches 11
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APPLICATION NUMBER: US 08/724,643

FILING DATE: 01-OCT-11996

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/844,419

FILING DATE: 16-APR-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/846,017

FILING DATE: 25-APR-1997

FILING DATE: 25-APR-1997
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/851,843
PILING DATE: 06-MAY-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/854,050
PILING DATE: 09-MAY-1997
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 14-AUG-19
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US
APPLICATION APPLICATION DATA:
PRIOR APPLICATION DATA:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION UNMEER: US/08/974,549A
PPLICATION UNMEER: US/08/974,549A
FILING DATE: 19-NOV-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/17885
APPLICATION NUMBER: WO PCT/US97/17885
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRANDEDNESS: single TOPOLOGY: linear DIECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: Townsend
STREET: Two Embarcac
CITY: San Francisco
STATE: California
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                                                                                                                                                   l Similarity
11; Conserv
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GCTCTAGAATG 11
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Two Embarcadero Center, Eighth Floor
                                                                                                                                                        Conservative
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14-AUG-1997
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14-AUG-1997
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14-AUG-1997
                                                                                                                                                            100.0%; Score 11; DB 4;
100.0%; Pred. No. 3.4e+02;
ive 0; Mismatches 0;
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US-08-026-143B-13/c
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US-08-770-565-9
                                                                                                                                                                                                                                                    Sequence 13, Application US/08026143B Patent No. 6348327 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: 415-576-0300 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          tent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: Floppy disk
COMPUTER: FORM PC compatible
COMPUTER: PC compatible
COMPUTER: PATENT PC compatible
CURRENT APPLICATION DATA:
APPLICATION DATA:
APPLICATION UMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 20 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: Methods for Detecting the RNA Component of INTENTION: Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: 01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-2200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ronald
APPLICANT: Weinrich, Scott J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRANDEDNESS: single TOPOLOGY: linear
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COMPUTER READABLE FORM:
                                                                                                                                 CORRESPONDENCE ADDRESS:
                                                                                                                                                          NUMBER OF SEQUENCES:
                                                                                                                                                                                          TITLE OF INVENTION: Prohormone Convertase Transformed Cells and
                                                                                                                                                                                                                                 APPLICANT: Gorman, Cornelia M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                 1 GCTCTAGAATG 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11;
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                                                                                                                                                                                                                                                                                                                                                                                            GCTCTAGAATG 11
                                                     CITY: South San Francisco
STATE: California
                                                                                            ADDRESSEE: Genentech, Inc. STREET: 1 DNA Way
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Application US/08770565
                                    COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              E: TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Kim, Nam Woo
Wu, Fred
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
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                                                                                                                                                                                                                 Groskreutz, Debyra J.
                                                                                                                                                                          Polypeptide Synthesis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         015389-002300US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
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; Sequence 13, Application PC/TUS9210621
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 100.0%;
Best Local Similarity 100.0%;
Matches 11; Conservative 0
                             APPLICATION NUMBER: PCT/US
FILING DATE: 19921204
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/887
FILING DATE: 22-MAY-1992
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO: 13:
                                                                                                                                                                        COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: patin (Genentech) CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                          COMPUTER READABLE FORM: MEDIUM TYPE: 5.25 inch,
                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                               PPLICANT: Groskreutz Debrya J.
ITLE OF INVENTION: Prohormone Convertase Transformed Cells and Polypeptide Synthe
                                                                                                                                                                                                                                                                                                                          COUNTRY:
                                                                                                                                                                                                                                                                                                                                                            STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
APPLICATION NUMBER: 07/803631 FILING DATE: 06-DEC-1992
                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 07/887265
FILING DATE: 22-MAY-1992
APPLICATION UNMBER: 07/803631
FILING DATE: 06-DEC-1992
APPLICATION NUMBER: PCT/US92/10621
FILING DATE: 04-DEC-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: TELECOMMUNICATION INFORMATION: 650/225-5530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: Linear SEQ ID NO: 13:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                       94080
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SOFTWARE: WinPatin (Genentech)
NT APPLICATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 21 base pairs TYPE: Nucleic Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/08/026,143B FILING DATE: 01-Mar-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Love, Richard B. REGISTRATION NUMBER: 34,659
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
                                                                                                                                                                                                                                                                                                                                           California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: 650/952-9881
                                                                                                                                                                                                                                                                                                                        USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Marriott, Dave,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gorman, Cornelia M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Genentech, Inc
                                                                                                                                                                                                                                                                                                                                                                                                        Genentech, Inc.
                                                                              07/887265
                                                                                                                                                            PCT/US92/10621
                                                                                                                                                                                                                                                             360 Kb floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 11; DB 4;
Pred. No. 3.4e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 21;
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Best Local Similarity 100.0%;
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTY...

COMPUTER READABLE FORM:
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb flo
MEDIUM TYPE: D.25 inch, 360 Kb flo
MEDIUM TYPE: FORM:
COMPACTOR
COMPACTO
                                                                                                                                                                                                                                                                                                                                                                                                        INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 21 bases
Types
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY AGENT INFORMATION:
NAME: LOVE, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: 74/
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOPTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION:
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                                                                                                                                                                                                                                                                                                                           LENGTH: 21 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                             . Match 100.0%; Score 11; DB 5; Local Similarity .100.0%; Pred. No. 3.4e+02; nes 11; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3: Adler, Carolyn R. ISTRATION NUMBER: 32,324
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11 GCTCTAGAATG 1
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linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Genentech, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Prohormone Convertase Transformed Cells and Polypeptide Synth
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Pred. No. 3.4e+02;
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PRIOR PELLATION NUMBER: 60/147,719
PRIOR FILLING DATE: 1999-08-06
NUMBER OF SEQ ID NOS: 14
SOFTWARE: Microsoft Office 97
SEQ ID NO 5
LENGTH: 22
TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ś
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US-09-627-216A-5
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                                                                                                                                   ; TYPE: DNA
; ORGANISM: Banana Bunchy Top Virus (BBTV)
US-08-973-068-46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-973-068-46
                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/08/973,068
CURRENT FILING DATE: 1998-03-12
EARLIER APPLICATION NUMBER: PCT/AU96/00335
EARLIER FILING DATE: 1996-05-31
NUMBER OF SEQ ID NOS: 61
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 46
LENGTH: 23
TYUDE NNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 100
Matches 11; Conservative
                                                                 Matches
                                                                                 Query Match
Best Local
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TITLE OF INVENTION: Bioproduction of para-Hydroxycinnamic Acid
FILE REFERENCE: BC1009 US NA
                                                                                                                                                                                                                                                                                                                             APPLICANT: Hafner, Gregory John
APPLICANT: Becker, Douglas Kenneth
TITLE OF INVENTION: INTERGENIC REGIONS OF BANANA BUNCHY TOP VIRUS
FILE REFERENCE: 09657/002001
                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Dade, James Langham
APPLICANT: Harding, Robert Maxwell
APPLICANT: Dugdale, Benjamin
APPLICANT: Beetham, Peter Ronald
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Sariaslani, Sima
APPLICANT: Tang, Xiao-Song
APPLICANT: Qi, Wei Wei
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 tent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
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40. 6368837
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                              1 GCTCTAGAATG 11
                                                                                   Similarity
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GCTCTAGAATG 11
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                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%;
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                                                                                 100.0%;
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                                                                 0
                                                                 Score 11; DB 3; 1
Pred. No. 3.3e+02;
); Mismatches 0;
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Pred. No. 3
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                                                                                                Length 23;
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RESULT 10 US-08-330-123A-23

PPLICANT: ANDREWS, William H.

FUNK, Walter

VILLEPONTEAU, Bryant

PPLICANT:

INFORMATION:

Application US/08330123A

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Best Local (
                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
TELEPAX: (415) 326-2422
TELEPAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 23:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: 3/ Alto
CITY: Palo Alto
CTATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: 1: MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
                                                                                CORRESPONDENCE ADDRESS:
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                                                                                                                                                                     APPLICANT:
                                                                                                                                                     PPLICANT:
                                                                                               PPLICANT: STAFFORD, DOUGLAS C.
ITLE OF INVENTION: VACCINE AND ANTITOXIN FOR TREATMENT AND ITLE OF INVENTION: PREVENTION OF C. DIFFICILE DISEASE OF SEQUENCES: 32
                                                                                                                                                                                       PPLICANT:
                                                                                                                                                                                                       PPLICANT:
                                                                                                                                                                                                                       PPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Smith, William M
REGISTRATION NUMBER: 30
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/08/330,123A
FILING DATE: 27-OCT-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OPERATING SYSTEM: PC-DOS/MS-DOS
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE:
                                                                DDRESSEE:
                                                                                                                                                                                                                                                         No.
                                                                                                                                                                                                                                                                                                                                                                                              1 GCTCTAGAATG 11
                              SSEE: MEDLEN & CARROLL, LLP
T: 220 MONTGOMERY STREET, SUITE 2200
SAN FRANCISCO
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Similarity
                                                                                                                                                                                                                                                         5, Application US/08480604A
5736139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       nucleic acid
                                                                                                                                                                                                                                                                                                                                                              GCTCTAGAATG 15
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                CALIFORNIA
                                                                                                                                                                              THALLEY, BRUCE S.
PADHYE, NISHA V.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26 base pairs
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                                                                                                                                                                       FIRCA
UNITED STATES OF AMERICA
                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
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                                                                                                                                                                                                                       JOHN A
                                                                                                                                                                   JOSEPH R
                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 11; I
                                                                                                                                                                                                     BRUCE S.
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US-08-482-115B-23
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Best Local Similarity
Matches 11; Conserv
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                                                                                                                                                                                                                                                                                 Patent No.
                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
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MOLECULE TYPE:
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PRIOR APPLICATION NUMBER: US 08/161,907
PILING DATE: 02-DEC-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               REGISTRATION NUMBER: 40,027
REFERENCE/DOCKET NUMBER: OP-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 04-DEC-1992 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
PRIOR APPLICATION NIMBER: US 08/422,711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA:
                                                                                                                                  CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 31-OCT-1989
ATTORNEY/AGENT INFORMATION:
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APPLICATION NUMBER:
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                                                                                                                                                  UMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRANDEDNESS:
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OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US 0 FILING DATE: 25-OCT-1994
                                COUNTRY: USA
ZIP: 94111-3834
                                                                                                                                                                 TLE OF INVENTION:
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                                                                                                   STREET:
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                                                                                                                 ADDRESSEE:
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                                                                             SSEE: Townsend and Townsend and Crew LLP
T: Two Embarcadero Center, Eighth Floor
San Francisco
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                                                                 California
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Funk, Walter
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                                                                                                                                                                 Assays for the RNA Component of Human Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 11; I
                                                                                                                                                                                                William H.
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RESULT 13
US-08-660-678A-23
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APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-UUL-1994
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATTORNEY/AGENT INFORMATION:
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-0008
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acids
TYPE: nucleic acids
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Best Local Similarity 100.0%; Pred. No. 3.3e+02
Matches 11; Conservative 0; Mismatches 0
                                                                                                                                                           ZIP: 94111-334

COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: ISM PC compatible
COMPUTER: ISM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/660,678A
FILING DATE: 05-JUN-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APRITCATION UNMERS. US 08/320,123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 23, Application US/08660678A Patent No. 5837857
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                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1:0, Version #1.30
CURRENT APPLICATION DATA:
                                                                 APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: DNA
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TYPE: nucleic acid
STRANDEDNESS: single
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DATE: 07-JUL-1994
AGENT INFORMATION:
Storella, John R.
                                                                                                                                                                                                                                                                                                                                                                                                                                USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Andrews, William H.
VENTION: Mammalian Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Funk, Walter
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US-08-660-678A-23
; MOLECULE TYPE: DNA
US-08-710-249-26
                                                                                                                                                                                                                          ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Ploppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1

CURRENT APPLICATION DATA:

APPLICATION UNUBER: US/08/710,249

FILING DATE: 13-SEP-1996

CLASSIFICATION UNUBER: US 08/583,808

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/583,808

FILING DATE: 05-JAN-1996

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/003,492

FILING DATE: 08-SEP-1995

ATTORNEY/AGENT INFORMATION:

REGISTRATION NUMBER: 32,944

RESPERENCE/DOCKET NUMBER: 015389-001220US
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 26, Application US/08710249 Patent No. 5858777
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                                                                                                                       TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (415) 576-0300 INFORMATION FOR SEQ ID NO: 23: SEQUENCE CHARACTERISTICS: LENGTH: 26 base pairs
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REFERENCE/DOCKET NUMBER: 01
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                       TELECOMMUNICATION INFORMATION: TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Andrews, William H.
APPLICANT: Adams, Robert R.
TITLE OF INVENTION: Methods and Reagents for Regulating
TITLE OF INVENTION: Telomere Length and Telomerase Activity
                                     LENGTH: 26 base pairs TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: Two Embare
CITY: San Francise
STATE: California
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                                                            Query Match 100.0%;
Best Local Similarity 100.0%;
Matches 11; Conservative 0
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Best Local
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: ISM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                            TELECOMMUNICATION INFORMATION: TELEPHONE: 617-861-6240
                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 13-FEB-1995 PRIOR APPLICATION DATA:
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APPLICATION NUMBER: US 08/387,524
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS: ADDRESSEE: Hamilton,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES:
                                                                                                                                              STRANDEDNESS:
TOPOLOGY: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/08/485,778
FILING DATE: 07-JE-1995
CLASSIFICATION: 435
                                                                                                                                                                          TYPE: nucleic acid
                                                                                                                                                                                                                                                          TELEPHONE:
                                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                    REGISTRATION NUMBER: 32,227
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ZIP: 02173
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                                                                                                                                                                                             LENGTH:
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                              1 GCTCTAGAATG 11
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5876979
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GCTCTAGAATG 15
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Two Militia Drive
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Funk, Walter
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Avilion, Ariel Athena
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Search completed: June 25, 2003, 00:24:40

Job time : 17.6972 secs

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seq length: 50
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Gapop 60.0 , Gapext
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AL493641 T. brucei
                                                                      Description
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84112, US
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Nouse whole genome scaffolding with paired end reads from 10kb
Pal: 801 585 5606
Pax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Erro
                                                         Contact: Robert B.
University of Utah
University of Utah
                                                                                                                                                    AZ471573 19 bp DNA linear GSS 0.100286G13F Mouse 10kb plasmid UUGC1M library Mus musculus clone UUGC1M0286G13 F, DNA sequence.
                                                                                      plasmid inserts
Unpublished (2000)
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7 TA107C03P
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AZ787295 2M0033013
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BM889496 1aa07c10
AZ478817 1M0299D08
BQ799001 hage005aH
AZ309082 1M0012K15
AZ659092 1M0536E14
AZ325427 1M0547L17
AI763346 wi55d06 x
AZ787926 ZM0034008
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AL458954 T. brucei
AI006312 ua70a03 x
BH848015 SALK 0673
BH848015 SALK 0673
BH848015 SALK 0673
AL460086 T. brucei
AZ5288091 1M0395K03
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BG563012 602581189
AU258962 AU258962
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Seq primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
                                                                                                                                                                                                                      Satoh,N., Satou,Y., Kohara,Y. and Shin-i,T. Expressed genes in Ciona intestinalis Unpublished (2000)
Contact: Nori Satoh
Department of Zoology
                                                                                                                                                                                                                                                                                                                                                                                               Ciona intestinalis.
Ciona intestinalis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AV964763 Nori Satoh unpublished cDNA library, young adult Ciona intestinalis cDNA clone ciadl5006 5', mRNA sequence.
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                                                                                                                                            Kyoto University
Sakyo-ku, Kyoto, Kyoto 606-8502, Japan
Tel: 81-75-753-4081
Fax: 81-75-705-1113
                                                                                                                                                                                                                                                                                                                                                                                                                                                           AV964763.1 GI:19454459
                                                                                                                                                                                                                                                                                                                            Eukaryota; Metazoa; Chordata; Urochordata; Ascidiacea; Enterogona;
Phlebobranchia; Cionidae; Ciona.
1 (bases 1 to 34)
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Similarity 100.0%;
10; Conservative 0;
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//lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
//note="Vector: PMD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polymucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of pWD42 (gi|4732114|gb|AF12972.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptored mouse DNA was annealed to
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicillin resistance."
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                                                                                                                     satch@ascidian.zool.kyoto-u.ac.jp
                    /organism="Ciona intestinalis"
/db_xref="taxon:7719"
/clone="ciad15006"
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clone="UUGC1M0286G13"
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|strain="C57BL/6J"
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clone_lib="Nori Satoh unpublished cDNA library, young
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1 GCTCTAGAAT 10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
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SALK 060837.45.60.x Arabidopsis thaliana TDNA insertion lines Arabidopsis thaliana TDNA insertion Lines Arabidopsis thaliana genomic clone SALK 060837.45.60.x, DNA
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Unpublished (2001)
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A Sequence-Indexed Library of Insertion Mutations in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Arabidopsis thaliana
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GCTCTAGAAT 48
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milarity 100.0%;
Conservative 0;
                                                                                            Conservative
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                                                                                                                                                                                                           /strain="Columbia 0"
/db xref="texon:3702"
/clone="SALK 060837, 45.60.x"
/clone="EXEX 060837, 45.60.x"
/clone="PCR was performed on Arabidopsis thaliana lines
each of which contains one or more TDNA insertion
elements. The resultant fragment for each line was
directly sequenced to determine the genomic sequence at
the site of insertion. Details of the protocols used can
be found at http://signal.salk.edu/tdna_protocols.html"
a 9 c
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/dev_stage="young adult"
/note="Vector: pBBluescript SK"
5 C 8 9 9 t
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/strain="Columbia 0"
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BH812447
BH812447 GI:20390902
GSS
                                                                                                                                                                                                                                                                                                                                                                                                                               18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Contact: Joseph R. Ecker
Salk Institute Genomic Analysis Laboratory (SIGnAL)
The Salk Institute for Biological Studies
10010 N. Torrey Pines Road, La Jolla, CA 92037, USA
Tel: 858 453 4100 x1752
Fax: 858 558 6379
                                                                                         Arabidopsis thaliana
Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Rosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
                                                                                                                                                                                                                                                                            SALK_070310.38.90.x Arabidopsis thaliana TDNA insertion Arabidopsis thaliana genomic clone SALK_070310.38.90.x,
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9; Conserv
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A Sequence-Indexed Library of Insertion Mutations in the
              Alonso,J.M., Leisse,T.J., Barajas,P., Chen,H.,,C., Jeske,A., Karnes,M., Kim,C.J., Parker,H.,, Zimmerman,J. and Ecker,J.R.
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/note="PCR was performed on Arabidopsis thaliana lines
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clone="SALK_061781"
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э. 7.9e+04;
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                               Cheuk, R., Gadrinab
Prednis, L., Shinn,
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                                                                                                                 insert libraries for whole genome shotgun Genome Sequencing: A Practical Approach, 6 Barrell, Oxford University Press, 1999).
                                                                                                                                                                                                                                                                                                                    Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton, Cambridge CB10 ISA, E-mail: barrell@sanger.ac.uk and
                                                                                                                                                                                                                                                                                                                                                                                Hall, N., Bowman, S., Lennard, N.J., Doggett, J., Atkin, R., Chillingworth, C., Ormond, D., Harris, B., El-Sayed, N., Hou, L., Melville, S. E., Rajandream, M.A. and Barrell, B.G. Direct Submission
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Unpublished (2001)
Contact: Joseph R. Ecker
                                                    Email: nelsayed@tigr.org
Details of T. brucei sequencing at the Sanger Centre are available at http://www.sanger.ac.uk/Projects/T_brucei/.
                                                                                                                                                                                                                                        Rockville, MD. Genomic DNA isolated from a cloned population of Trypanosoma brucei (TREU927/4 GUTat 10.1) was mechanically sheared
                                                                                                                                                                                                                                                                                Constructed at the Institute for Genomic Research (TIGR),
                                                                                                                                                                                                                                                                                                 nh1@sanger.ac.uk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Trypanosoma brucei
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/dbraref="taxon:3702"
/clone="ShLK 070310.38 90.x"
/clone=lib="Ārabidopsis thaliana TDNA insertion lines"
/note="PCR was performed on Arabidopsis thaliana lines
each of which contains one or more TDNA insertion
elements. The resultant fragment for each line was
directly sequenced to determine the genomic sequence at
the site of insertion. Details of the protocols used can
be found at http://signal.salk.edu/tdna_protocols.html"
a 2 c 8 g 10 t
                                     Location/Qualifiers
organism="Trypanosoma brucei"
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KATO, K. and Matcba, R.
Generation of expressed sequence tags from mouse by
Unpublished (2002)
Contact: Kikuya Kato
Graduate School of Biological Sciences
Nara Institute of Science and Technology
8916-5 Takeyama, Ikoma, Nara 630-0101, Japan
Tel: 81-743-72-5581
Fax: 81-743-72-5589
Email: Katoobs aist-nara.ac.jp/BED/index.html.
URL:http://love2.aist-nara.ac.jp/BED/index.html.
                                                                                                                       AI032592 31 bp mRNA linear ow73g08.s1 Soares fetal liver spleemRNA INFLS S1 Homo clone IMAGE:1652510 3' similar to TR:O15107 O15102 40.0 KD PROTEIN. ;, mRNA sequence.
 Homo sapiens
Eukaryota; Metazoa; Chordata;
Mammalia, Eutheria; Primates;
1 (bases 1 to 31)
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EST.
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BED0011024 3', mRNA sequence.
AU257604
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AI032592.1 GI:3253718
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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9; Conservative
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llarity 100.0%; Pred. No.
Conservative 0; Mismatc
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/db xref="taxon:10090"
/clone="mED0011024"
/clone_lib="3'-directed mouse cl/tlssue_type="brain"
/rissue_type="brain"
/note="yector: pggm-T-easy"
a 6 c 4 g 7 t
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/db_xref="taxon:5691"
/clone="349b02"
10 c 8 g
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100.0%; Pred. No. 8.1
:ive 0; Mismatches
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cDNA library Mus musculus cDNA clone
                 Craniata; Vertebrata; Euteleostomi; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                DB 9; Le
o. 8.1e+04;
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5.7.9e+04;
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sapiens cDNA
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JOURNAL COMMENT
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AZ812974
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AUTHORS
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Matches 9
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National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
Tumor Gene Index
Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-remail.nih.gov
This clone is available royalty-free through LINL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Trace considered overall poor quality
Seq primer: -40ml3 fwd. ET from Amersham
High quality sequence stop: i.
Location/Qualifiers
                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 36)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Menen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D., Weiss,R.
                                                                                                                                                     plasmid inserts
Unpublished (2000)
Contact: Robert B.
                                                                                                                                                                                                                                                                                                                                                                                                                               AZ812974 36 bp DNA linear GSS 20-FEB-200
2M0080IO1F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC2M0080IO1 F, DNA sequence.
Tel: 801 585 5606
Fax: 801 585 7177
Fax: 801 for interior utah.edu
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error:
Plate: 0080 row: I column: 01
                                                                                                                                                                                                                                                                                                                                                   Mus musculus
                                                                                                                       University of Utah Genome Center University of Utah
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/db_xref.="taxon:9606"
/clone="MAGE:1652510"
/clone_lib="Soares_fetal_liver_spleen_lNFLS_S1"
/sex="male"
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                                                                                                       Polymers Research Bldg.,
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Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0030 row: B column: 22
                                                                                                                           Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg.,
                                                                                                                                                                                                                                                                                    Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
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38 DP
2M0030B22R Mouse 10kb plasmid UUGCIM library Mus musculus clone UUGC2M0030B22 R, DNA sequence.
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1 (bases 1 to 38)
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AZ786040.1 GI:12923402
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to
                                                                                                                                                                                                                                                                  whole genome scaffolding with paired
                                                                                                               USA
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4 c 7 g 13 t
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/clone_lib="Mouse 10kb plasmid UUGC1M library"
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|strain="C57BL/6J"
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lab host="E. Coli strain XL10-Gold, T1-resistant, F-"
note="Vector: PWD42nv; Purified genomic DNA from M.
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                                                                                                                                                                                                   Contact: Robert Strausberg, Ph.D.

Email: cgapbs r@mail.nih.gov

Tissue Procurement: CLONETECH Laboratories, Inc.

cDNA Library Preparation: CLONETECH Laboratories, I

cDNA Library Arrayed by: The I.M.A.G.E. Consortium

rnva Consortium
                                                                                                                                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 40)

NIH-MGC http://mgc.nci.nih.gov/.

National Institutes of Health, Mammalian Gene Collection (MGC)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8G563012
602581189F1 NIH_MGC._76 Homo
                                                                   High quality sequence stop: 40.
                                                                                       found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
plate: LLCM1545 row: a column: 24
                                                                                                                                                                                                                                                                                                                                        Unpublished (1999)
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                                                                                                                                                           DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
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/organism="Homo sapiens'
                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /db_xref="taxon:10090"
/clone="UUGC2M0030B22"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
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/note="Vector: PWD42nv; Purified genomic DNA from M.
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/strain="C57BL/6J"
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100.0%;
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s cDNA clone
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RESULT 13
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COMMENT
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AU258962
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1 (bases 1 to 41)

Kato, K. and Maroba, R. Generation of expressed sequence tags from mouse brain Unpublished (2002)

Contact: Kikuya Kato
Graduate School of Biological Sciences
Graduate School of Biological Science and Technology

8916-5 Takiyute of Science and Technology

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8916-5 Takiyute, of Science and Technology
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AU258962 3'-directed mouse cDNA library Mus musculus
BED0014206 3', mRNA sequence.
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Mus musculus
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EST. .
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9; Conserv
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ilarity 100.0%;
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/lab_host="DH1DB (Ti phage-resistant)"
/lab_host="DH1DB (Ti phage-resistant)"
/lab_host="Diver: Vector: pDNR-LIB (Clontech); Site_1:
/note="Organ: liver: Vector: pDNR-LIB (Clontech); 5; and
SfiI (ggccgcctcggcc); Site_2: SfiI (ggccattatggcc); 5; and
3; adaptors were used in cloning as follows: 5; adaptor
sequence: 5; -CACGGCCATTATGGCC-3; and 3; adaptor sequence:
5; -ATTCTAAAGGCCGACATTATGGCC-3; and 3; adaptor sequence:
5; -ATTCTAAAGGCCGACATGATG-dT(30)BN-3; (where B = A,
C, or T, and N = A,
C, or T, 
                                                                                                                                                                                                                                                                Conservative
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tp://love2.aist-nara.ac.jp/BED/index.html
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                        /organism="Mus musculus"
/db_xref="taxon:10090"
/clone="#BDD014206"
/clone_lib="3'-directed mouse cDNA library"
/tissue_type="brain"
/note="Vector: pGEM-T-easy"
/note="Vector: 9 g 10 t 1 others
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clone="IMAGE:4708895"
                                                                                                                                                                                                                                                                                            81.8%;
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mRNA

linear

EST 30-MAY-2001

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DEFINITION 2M0007B12R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC2M0007B12 R, DNA sequence.
                                                                  Query Match
Best Local S
Matches 9
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Bukaryota; Metazoa; Chordata; Sciurognathi; Muridae; Musinae; Mus.
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.
1 (bases 1 to 41)
Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A.
and Wright, D., Weiss R.
and Wright, D., Weiss R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0007 row: B column: 12
Plate: 0007 row: B column: 12
Plate: 0007 row: CACACAGGAAACAGCTATGACC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Class: plasmid ends
High quality sequence stop: 41.
Location/Qualifiers
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                                                                      Similarity 9; Conser
GCTCTAGAA 9
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                                                                                                                                                                                                                    / beks" "Male"
/ lab host="E. Coli strain Xii0-Gold, T1-resistant, F-"
/ lab host="E. Coli strain Xii0-Gold, T1-resistant, F-"
/ lab host="E. Coli strain Xii0-Gold, T1-resistant, F-"
/ note="Weettor: PWm82nv; Purified genomic DNA from M.
musculus C57Bi/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.05 inch orifice at constant velocity. The sheared DNA
was blunt end-repaited with T4 DNA polymerase and T4
polymucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of pWn22 (gi|4732114[gb]AF129072.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptored mouse DNA was annealed to
adaptored vector DNA, and transformed into
chemically-competent E. coli XLIO-Gold (Stratagene) cells
and selected for ampicillin resistance."
                                                                  Conservative 0;
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/clone="UUGC2M0007B12"
/clone_lib="Mouse 10kb plasmid UUGCIM library"
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/strain="C57BL/6J"
                                                                  81.8%; Score 9; DB 17; Length 41; 100.0%; Pred. No. 8.6e+04; ive 0; Mismatches 0; Indels
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JOURNAL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Email: swangl@midway.uchicago.edu
This EST fragment was amplified from mouse GR-1+ myeloid progenitor
This LST fragment was amplified from mouse GR-1+ myeloid progenitor
cells cDNA Library with GLGI technique (Generation of Longer cDNA
fragments from SAGE tags for Gene Identification, Proc. Natl. Acad.
Sci. USA 97, 349, 2000), which starts from the 3' end till the last
CATG site of the target cDNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EST-NGR-1-20 mouse GR-1+ myeloid progenitor cells cDNA Library Mus musculus cDNA 3', mRNA sequence.
BF732142
BF732142.1 GI:14249762
                                                                                                                                                                                                                                                                       BG613445 42 bp r 602641351F1 NIH_MGC_61 Homo sapiens mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             University of Chicago Medical Center 5841 S. Maryland Ave., MC2115, Chicago, Tel: 773-702-6788
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pattern of gene expression in mouse GR-1+ myeloid progenitor cells Unpublished (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 42)
                                     NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian
Unpublished (1999)
                                                                                                   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1. (bases 1 to 42)
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BG613445.1 GI:13664816
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                   Contact: Robert Strausberg, Ph.D
                                                                                                                                                                 Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
cgapbs-r@mail.nih.gov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sequenced directly
7 c 6 g
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7 c 6 g 25 t
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/note="cDNA was identified and isolated from Mus musculus
benzo(a)pyrene-downregulated total RNA pool by
Differential Display Polymerase Chain Reaction using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            organism="Mus musculus"
|strain="C57BL/6"
|db_xref="taxon:10090"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Differential Display Polymerase Chain Reaction using indicated anchor and arbitrary primer (Hieroglyph mN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ocation/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sex="female"
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100.0%; Pred. No.
Live 0; Mismatch
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o. 8.7e+04;
                                                                                                                                                                                                                                                                                                                        IIRNA
                                                                                                                                                                                                                                                                                             mRNA linear EST 18-APR-2001 CDNA clone IMAGE:4772341 5',
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                                                              Gene Collection (MGC)
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Search completed: June 23, 2003, 10:10:29 Job time : 569.289 secs

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BASE COUNT
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Tissue Procurement: ATCC
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CTCTAGAAT 2
                                                                                                                                                                                                                        Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Library."
a 6 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Double stranded CDNA was prepared from cell line RNA. 5, and 3' adaptors were used in cloning as follows: 5' adaptor sequence: 5'-CACGGCCATTATGGCC-3' and 3' adaptor sequence: 5'-CATCTAGAGGCCGACGGCGCGACATG-dT(30)BN-3' (where B = A, C, or G and N = A, C, G, or T). Average insert size 1.75 kb (range 0.9-4.0 kb). 15/15 colonies contained inserts by PCR. This library was enriched for full-length clones and was constructed by Clonech
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /clone_lib="NIH_MGC_61"
/tlssue_type="embryonal carcinoma"
/tlssue_type="embryonal carcinoma"
/lab_host="DH1OB (T1 phage-resistant)"
/note="Organ: testis, Vector: pDNR-LIB (Clontech); Site_1:
/note="Organ: testis, Vector: SiI (ggccattataggc); Site_2: SiI (ggcattataggc); Site_
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Laboratories (Palo Alto, CA). Note: this is a NIH_MGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         organism="Homo sapiens"
db_xref="taxon:9606"
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Pred. No. 8.7e+04;
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Sequence Sequence

396066,

Sequence Sequence Sequence Sequence Sequence Sequence

104137, 115885, 137579, 301228,

Sequence

397410, 420914,

425838,

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Result
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Maximum DB
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Perfect score:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         seq length: 0
seq length: 50
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Gapop 60.0 , Gapext
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /cgn2_6/ptodata/1/pna/PCT_NEW_COMB.seq:*
/cgn2_6/ptodata/1/pna/USO6_NEW_COMB.seq:*
/cgn2_6/ptodata/1/pna/USO7_NEW_COMB.seq:*
/cgn2_6/ptodata/1/pna/USO8_NEW_COMB.seq:*
/cgn2_6/ptodata/1/pna/USO9_NEW_COMB.seq:*
/cgn2_6/ptodata/1/pna/USO9_NEW_COMB.seq:*
/cgn2_6/ptodata/1/pna/USO9_NEW_COMB.seq2:*
/cgn2_6/ptodata/1/pna/USO1_NEW_COMB.seq2:*
/cgn2_6/ptodata/1/pna/USO1_NEW_COMB.seq2:*
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/cgn2_6/ptodata/1/pna/USO1_NEW_COMB.seq2:*
/cgn2_6/ptodata/1/pna/USO0_NEW_COMB.seq3:*
/cgn2_6/ptodata/1/pna/USO0_NEW_COMB.seq3:*
/cgn2_6/ptodata/1/pna/USO0_NEW_COMB.seq3:*
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                                                              PCT-US03-05708-27
PCT-US03-05708-202
PCT-US03-04088-533
PCT-US03-04088-543
PCT-US03-04088-555
PCT-US03-04088-555
PCT-US03-04088-555
PCT-US03-04088-559
US-10-374-366-202
US-10-188-5238-5
PCT-US03-04088-520
PCT-US03-04088-521
PCT-US03-04088-521
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US-10-325-810-543
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                   US-10-310-188-36216
US-09-807-809A-5
US-09-954-445A-66031
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                Sequence 543, App
Sequence 27, Appl
Sequence 202, App
Sequence 203, App
Sequence 539, App
Sequence 547, App
Sequence 547, App
Sequence 551, App
Sequence 559, App
Sequence 559, App
Sequence 27, Appl
Sequence 57, Appl
Sequence 5, Appli
Sequence 5, Appli
Sequence 5, Appli
Sequence 5, Appli
Sequence 520, App
Sequence 5, Appli
Sequence 51, App
Sequence 521, App
Sequence 521, App
Sequence 54, Appli
Sequence 55, Appli
Sequence 5631, App
Sequence 57, Appli
Sequence 58, Appli
                                                                                                                                                                                                                                                                                                                                        Description
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US-09-721-456-543
; Sequence 543, Application US/09721456
; GENERAL INFORMATION:
: APPLICANT: Cech, Thomas R.
: APPLICANT: Lingner, Joachim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           രരം
PRIOR APPLICATION DATA:

APPLICATION UNMBER: US/08/974,549A
FILING DATE: 19-NOV-1997
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/851,843
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/854,050
FILING DATE: 05-MAY-1997
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/854,050
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: US 08/951,312
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Lingner, Joachim

Nakamura, Toru

Chapman, Karen B.

Morin, Greeg B.

Morin, Greeg B.

Harley, Calvin B.

Andrews, William H.

TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 727

CORRESPONDENCE ADDRESS:

ADDRESSRE. Townsel
                                                                                                                                                                                                                        CLASSIFICATION: COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/721,456
FILING DATE: 22-Nov-2000
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                   COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
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US-60-427-808-137579
US-60-427-808-397128
US-60-427-808-397110
US-60-427-808-397110
US-60-427-808-429914
US-60-427-808-42914
US-60-427-808-666732
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US-60-427-808-681848
US-60-427-808-681848
US-60-427-808-68184862
US-60-427-836-248462
US-60-427-836-248462
US-60-427-836-248462
US-60-427-836-512342
PCT-US02-11134-13
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US-10-355-577-924166
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Sequence 506901, Sequence 612340, Sequence 612342, Sequence 11, Appl Sequence 13, Appl

Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence

887509, 952738, 248462,

681847, 681848,

469846,

Sequence

08/912,951

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NAME/KEY: -

LOCATION: 1..18

OTHER INFORMATION: /note= "antisense hTRT molecule"

SEQUENCE DESCRIPTION: SEQ ID NO: 543:

US-09-721-456-543
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: WO 98/915.503
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
ATTORNEY/AGENT INFORMATION:
NAWE: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0300
INFORMATION FOR SEQ ID NO: 543:
INFORMATION FOR SEQ ID NO: 543:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 100.
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 543, Applicat
GENERAL INFORMATION:
                                                                                                                                                         COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version
                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                    Nakamura, Toru
Chapman, Karen B.
Morin, Gregg B.
Harley, Calvin B.
Andrews, William H.:
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 633
                                                                      CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/325,810

FILING DATE: 20-Dec-2002

CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Cech, Thomas R. Lingner, Joachim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                APPLICATION NUMBER: US/09/402,181 FILING DATE: 29-Sep-1997 APPLICATION NUMBER: US 08/724,643
                                                                                                                                                                                                                                                            ZIP: 94111-3834
                                                                                                                                                                                                                                                                                             STATE: California
                                                                                                                                                                                                                                                                                                                CITY: San Francisco
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100.0%; F
itive 0;
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Pred. No. 4.2e+03;
Mismatches 0;
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SEQUENCE
US-10-325-810-543
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                                                       Query Match
Best Local Similarity
Matches 11; Conserv
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Best Local S
                                                                                                                                                                                                      TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11; Conservative
                                                       11; Conservative
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1 GCTCTAGAATG 11
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                                                     100.0%; s
100.0%; F
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Sequence 27, Application PC/TUS0305708

Sequence 27, Application PC/TUS0305708

SEQUENCE 27, Application PC/TUS0305708

SEQUENCE 27, Application PC/TUS0305708

TITLE OF INVENTION: METHOD FOR THE RECOMBINATION OF GENETIC ELEMENTS

FILE REFERENCE: CL1794 PCT

CURRENT APPLICATION UNMERS: PCT/US03/05708

CURRENT FILING DATE: 2003-02-26

PRIOR APPLICATION UNMER: 60/350,279

PRIOR FILING DATE: 2002-02-26

PRIOR FILING DATE: 2003-02-26

NUMBER OF SEQ ID NOS: 203

SOFTWARE: Patentin version 3.2

SEQ ID NO 27

LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0300
TELEFAX: (415) 576-0300
INFORMATION: FOR SEQ ID NO: 543:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                         ORGANISM: Artificial Sequence
                                                                                                                         OTHER INFORMATION: Primer 18-5'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US 08/846, u1,
APPLICATION NUMBER: US 08/846, u1,
FILING DATE: 25-APR-1997
APPLICATION NUMBER: US 08/851,843
APPLICATION NUMBER: US 08/854,050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 06-MAY-1997

APPLICATION NUMBER: US 08/854,050

FILING DATE: 09-MAY-1997

APPLICATION NUMBER: US 08/911,312

FILING DATE: 14-AUG-1997

APPLICATION NUMBER: US 08/912,951

FILING DATE: 14-AUG-1997

APPLICATION NUMBER: US 08/915,503

FILING DATE: 14-AUG-1997

APPLICATION NUMBER: WO PCT/US97/17885

FILING DATE: 01-OCT-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LOCATION: 1..18
OTHER INFORMATION: /note= "antisense hTRT molecule"
NCE DESCRIPTION: SEQ ID NO: 543:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Ausenhus, Scott L.
REGISTRATION NUMBER: 42,271
REFERENCE/DOCKET NUMBER: 015389-002620US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US 08/844,419 FILING DATE: 18-APR-1997
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0;
Score 11; DB 1;
Pred. No. 4.1e+03;
); Mismatches 0;
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                                                Length 21;
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; ORGANISM: Rhodosporidium glutinis
PCT-US03-05708-202
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SOFTWARE: Pate
; SEQ ID NO 202
; SEQTH: 21
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PCT-US03-04088-539
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                                                                                                                                                                                           SOFTMAN,
SEQ ID NO 539
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APPLICANT: Ribozyme Pharmaceuticals, Inc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene TITLE OF INVENTION: Expression Using Short Interfering RNA (SINA) FILE REFERENCE: 02-708-A (400/08) CURRENT APPLICATION NUMBER: PCT/US03/04088

CURRENT FILING DATE: 2003-04-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: PCT/US03/05708
CURRENT FILING DATE: 2003-02-26
PRIOR APPLICATION NUMBER: 60/360,279
PRIOR FILING DATE: 2002-02-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: E.I. DuPont de Nemours and Company, Inc.
TITLE OF INVENTION: METHOD FOR THE RECOMBINATION OF GENETIC ELEMENTS
FILE REFERENCE: CL1794 PCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/358,580
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                                                                                                                                                                                                                                        SOFTWARE: PatentIn version 3.2
                                                                                                                                                                                                                                                             NUMBER OF SEQ ID NOS: 626
                                      NAME/KEY: misc feature LOCATION: (20). (21)
               OTHER INFORMATION: n stands for thymidine
                                                                                                                                                  ORGANISM: Artificial
                                                                                    FEATURE:
                                                                                                    OTHER INFORMATION: Description of Artificial Sequence:
                                                                                                                             FEATURE:
                                                                                                                                                                        TYPE: RNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 60/440,129
                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US 60/406,784 FILING DATE: 2002-08-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US 60/363,124
                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US 60/409,293 FILING DATE: 2002-09-09
                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US 60/408,378
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 60/386,782
                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 2002-09-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE:
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Beigelman, Leonid
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; Sequence 547, Application PC/TUS0304088 
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                           RESULT 7
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Matches
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SEQ ID NO 543
LENGTH: 21
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                 APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase
TITLE OF INVENTION: Expression Using Short Interfering RNA (sina)
FILE REFERENCE: 02-708-A (400/080)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR FILING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: US 60/408,378
PRIOR FILING DATE: 2002-09-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: US 60/396,600 PRIOR FILING DATE: 2002-07-17 PRIOR APPLICATION NUMBER: US 60/358,580 PRIOR FILING DATE: 2002-02-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: RNA Interference Mediated Inhibition TITLE OF INVENTION: Expression Using Short Interfering FILE REFERENCE: 02-708-A (400/080)
                      CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: US 60/386,782 PRIOR FILING DATE: 2002-06-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR FILING DATE: 2002-03-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: US 60/363,124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Ribozyme Pharmaceuticals, Inc
                                                                                                                                                                      APPLICANT: Ribozyme Pharmaceuticals, Inc
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PRIOR APPLICATION NUMBER: US 60/396,600
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NAME/KEY: misc_feature
LOCATION: (20)..(21)
OTHER INFORMATION: n stands for thymidine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE: OTHER INFORMATION: Description of Artificial Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: RNA
                                                                                                                                                                                                                                                                                                                                                                                                                                 Local
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Beigelman, Leonid
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                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 11; 72.7%; Pred. No.
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FILING DATE: 2002-07-17
APPLICATION NUMBER: US 60/358,580
FILING DATE: 2002-02-20

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PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-05
PRIOR PILING DATE: 2002-09-09
PRIOR PILING DATE: 2002-09-19
PRIOR PILING DATE: 2002-09-19
PRIOR PILING DATE: 2002-09-19
PRIOR PILING DATE: 2003-01-15
NUMBER: US 60/440,129
PRIOR PILING DATE: 2003-01-15
SOPTWARE: PALENTIN VERSION 3.2
SEQ ID NO 547
LENGTH: 21
                                                                                                RESULT 8
PCT-US03-04088-551
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                                                                                                                                                                                                                                                                                                                                              ; NAME/KEY: misc_feature
; LOCATION: (21)...(21)
; OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
PCT-US03-04088-547
                                                          Sequence 551, Application PC/TUS0304088 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                         Query Match
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY: misc_feature
LOCATION: (20)..(21)
OTHER INFORMATION: n stands
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: misc_feature
LOCATION: (1)...(2)
OTHER_INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY: misc_feature
LOCATION: (11)..(14)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LOCATION: (7)..(y)
OTHER_INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: misc_feature
LOCATION: (7)..(9)
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OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
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LOCATION: (4)..(5)
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                                                                                                                                                                                                                                                                                   Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                     19
                                                                                                                                                                                                                        1 GCTCTAGAATG 11
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                                                                                                                                                                                   GCTCTAGAATG 9
                                                                                                                                                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    for thymidine
                                                                                                                                                                                                                                                                     0
                                                                                                                                                                                                                                                                   Score 11; DB 1; Pred. No. 4.1e+03; 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                      Length 21;
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                                                                                                                                                                                                                                                                     0
                                                                                                                                                                                                                                                                   Gaps
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RESULT 9
PCT-US03-04088-555/c
; Sequence 555, Application PC/TUS0304088
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwidgen, James
; APPLICANT: Beigelman, Leonid
; APPLICANT: MCSwidgen, Leonid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT FILING DATE: 2003-04-26

PRIOR APPLICATION NUMBER: US 60/396,600

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR APPLICATION NUMBER: US 60/351,124

PRIOR APPLICATION NUMBER: US 60/363,124

PRIOR PILLING DATE: 2002-03-11

PRIOR APPLICATION NUMBER: US 60/386,782

PRIOR PILLING DATE: 2002-06-06

PRIOR APPLICATION NUMBER: US 60/406,784

PRIOR PILLING DATE: 2002-08-29

PRIOR APPLICATION NUMBER: US 60/408,378

PRIOR APPLICATION NUMBER: US 60/409,293

PRIOR APPLICATION NUMBER: US 60/400,129

PRIOR APPLICATION NUMBER: US 60/440,129

PRIOR APPLICATION NUMBER: US 60/440,129

PRIOR APPLICATION NUMBER: US 60/440,129

PRIOR TILING DATE: 2002-09-05

PRIOR APPLICATION NUMBER: US 60/440,129

PRIOR APPLICATION NUMBER: US 60/440,129

PRIOR TILING DATE: 2003-01-15

SOFTMARE: Patentin version 3.2

SEQ ID NO 551

TUDE: DATA
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Best Local S
Matches 8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:
OTHER INFORMATION: antisense region
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: RNA
ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: misc_feature
LOCATION: (2)..(5)
OTHER_INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KBY: misc_feature
LOCATION: (20). (20)
OTHER INPORMATION: Phosphorothioate 3'-Internucleotide Linkage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LOCATION: (20)..(21)
OTHER INFORMATION: n stands
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FEATURE:
NAME/KEY: misc_feature
LOCATION: (10)..(10)
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LOCATION: (20)..(21)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: misc_feature
LOCATION: (17)..(17)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                                                                Similarity
8; Conserv
                                                                                                                                                                                                                                                                                                          GCTCTAGAATG 11
                                                                                                                                                                                                                                                                                GCUCUAGAAUG 11
                                                                                                                                                                                                                                                                                                                                                                                   llarity 72.7%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    for thymidine
                                                                                                                                                                                                                                                                                                                                                                                                           Score 11; DB 1;
Pred. No. 4.1e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 21;
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                                                                                                                                                                                                                                                                                                                                                                                      0;
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TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene

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SOFTWALL SEQ ID NO 555
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NUMBER OF SEQ ID NOS: 626
SOFTWARE: PatentIn version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/358,580
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: US 60/396,600
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: Description OTHER INFORMATION: region
                                 JAME/KEY: misc_feature
JOCATION: (20) (21)
                                                                               COCATION: (19)..(19)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                             VAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                          OCATION: (7)..(9)
THER INFORMATION: 2'-deoxy-2'-fluoro
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OCATION: (4)..(5)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OCATION: (1). (1)
THER INFORMATION: 5'-3 attached terminal deoxyabasic moeity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: RNA
                                                                                                                                                                              THER INFORMATION: 2'-deoxy
                                                                                                                                                                                                    AME/KEY: misc_feature
                                                                                                                                                                                                                                                                                    NAME/KEY: misc_feature
OCATION: (11)..(14)
                                                                                                                                                                                                                                                                                                                                                                                     AMB/KEY: misc_feature
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OCATION: (6)..(6)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: misc_feature
OCATION: (3)..(3)
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JOCATION: (1)..(2)
                                                                                                                                                                                                                                                              THER INFORMATION: 2'-deoxy-2'-fluoro
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OCATION: (7)..(9)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US 60/363,124
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US 60/408,378
INFORMATION: n stands for thymidine
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PPLICATION NUMBER: US 60/406,784
                              (21)
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PCT-US03-04088-559
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SEQ ID NO 559
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
Matches .11; Conserv
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NUMBER OF SEQ ID NOS: 626
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
PRIOR FILING DATE: 2003-01-15
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PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene TITLE OF INVENTION: Expression Using Short Interfering RNA (sina) FILE REFERENCE: 02-708-A (400/080) CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: US 60/408,378 PRIOR FILING DATE: 2002-09-05
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LOCATION: (21)...(21)
OTHER INFORMATION: 3'-3 attached terminal deoxyabasic moeity
                    NAME/KEY: misc_feature
LOCATION: (11)..(13)
                                                                                                                                                                                                                                                   LOCATION: (2)...(5)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                        PEATURE:
NAME/KEY: misc_feature
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                                                                               NAME/KEY: misc_feature
LOCATION: (10)..(10)
OTHER INFORMATION: 2'-deoxy-2'-fluoro
                                                                                                                                                                                                                                                                                                                                       LOCATION: (1)..(1)
OTHER INFORMATION: 2'-deoxy
                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY: misc_feature LOCATION: (1)..(1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Artificial
                                                                                                                                                                                                           NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: antisense region
OTHER INFORMATION: 2'-deoxy
                  LOCATION:
                                                                                                                                                                       OTHER INFORMATION: 2'-deoxy
                                                                                                                                                                                           OCATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 2002-08-29
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Beigelman, Leonid
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Pred. No. 4.1e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
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EATURE:

NAME/KEY: misc_feature LOCATION: (14)..(14)

INFORMATION: 2'-deoxy-2'-fluoro

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RESULT 12
US-10-374-366-202
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                                                                                      Sequence 202, Appli
GENERAL INFORMATION
                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local
                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Tang, Xiao-Song
APPLICANT: Milano, Joseph
TITLE OF INVENTION: METHOD FOR THE RECOMBINATION OF GENETIC ELEMENTS
FILE REFERENCE: CL1794 US NA
CURRENT APPLICATION NUMBER: US/10/374,366
CURRENT FILING DATE: 2003-02-26
PRIOR APPLICATION UNMBER: 60/360,279
PRIOR APPLICATION NUMBER: 60/360,279
PRIOR PILING DATE: 2002-02-26
PRIOR FILING DATE: 2002-02-26
PRIOR FILING DATE: 2002-02-26
NUMBER OF SEQ ID NOS: 203
APPLICANT: Tang, Xiao-Song
APPLICANT: Milano, Joseph
TITLE OF INVENTION: METHOD FOR THE RECOMBINATION OF GENETIC ELEMENTS
FILE REFERENCE: CL1794 US NA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: PatentIn version 3.2 EQ ID NO 27 LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                  1 GCTCTAGAATG 11
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                                                                                                                                                                                                                           GCTCTAGAATG 13
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                                                                                                           Application US/10374366
                                                                                                                                                                                                                                                                                                              100.0%;
ilarity 100.0%;
Conservative 0
                                                                                                                                                                                                                                                                                                            Score 11; DB LV,
Pred. No. 4.1e+03;
                                                                                                                                                                                                                                                                                                                                                           Length 21;
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RESULT 14 US-10-188-523C-5

Sequence 5, Application US/10188523C
GENERAL INFORMATION:
APPLICANT: Tang, Xiao-Song
TITLE OF INVENTION: BIOPRODUCTION OF PARA-HYDROXYCINNAMIC /
FILE REFERENCE: BC1009-CIP
CURRENT APPLICATION NUMBER: US/10/188,523C
CURRENT FILING DATE: 2002-10-24
PRIOR APPLICATION NUMBER: US 09/627,216
PRIOR PILING DATE: 2000-07-27
PRIOR PILING DATE: 2000-07-27
PRIOR PILING DATE: 2000-07-27
PRIOR PILING DATE: 1999-08-06

NUMBER OF SEQ ID NOS: 30
SOFTWARE: MICROSOFT OFFICE 97
SEQ ID NO 5
LENGTH: 22

ORGANISM: Artificial Sequence FEATURE:

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PRIOR APPLICATION NUMBER: 60/36(
PRIOR FILING DATE: 2002-02-26
NUMBER OF SEQ ID NOS: 203
SOFTWARE: Patentin version 3.2
SEQ ID NO 202
LENGTH: 21
TYPEN NO.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TYPE: DNA
; ORGANISM: Rhodosporidium glutinis
US-10-374-366-202
                                                                                                                                                                                 ; FEATURE:
; OTHER INFORMATION: primer
US-10-188-523B-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-188-523B-5
                                                                                                                                                                                                                                                                                                   PRIOR FILING DATE: 1999-08-06
NUMBER OF SEQ ID NOS: 38
SOFTWARE: Microsoft Office 97
SEQ ID NO 5
LENGTH: 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 5, Application US/10188523B GENERAL INFORMATION:
                                                                                      Query Match 100.0%; Score 11; DB Best Local Similarity 100.0%; Pred. No. 4e+ Matches 11; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Tang, Xiao-Song
TITLE OF INVENTION: BIOPRODUCTION OF PARA-HYDROXYCINNAMIC ACID
FILE REFERENCE: BC1009 US DIVCLP
CURRENT APPLICATION NUMBER: US/10/188,523B
CURRENT FILING DATE: 2002-10-17
PRIOR APPLICATION NUMBER: US 09/627,216
PRIOR PILING DATE: 2000-07-27
PRIOR PILING DATE: 2000-07-27
PRIOR PILING DATE: 1900-08-08
PRIOR PILING DATE: 1999-08-06
PRIOR FILING DATE: 1999-08-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/10/374,366
CURRENT FILING DATE: 2003-02-26
                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ch 100.0%; Score 11; DB 10; l Similarity 100.0%; Pred. No. 4.1e+03; 11; Conservative 0; Mismatches 0;
1 GCTCTAGAATG 11
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3 GCTCTAGAATG 13
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                                                                                                                                         Length 22;
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Query Match 100.0%; Best Local Similarity 72.7%; Matches 8; Conservative :

Pred. No

Score 11;

Length 21;

Indels

0

OTHER INFORMATION: n stands for thymidine

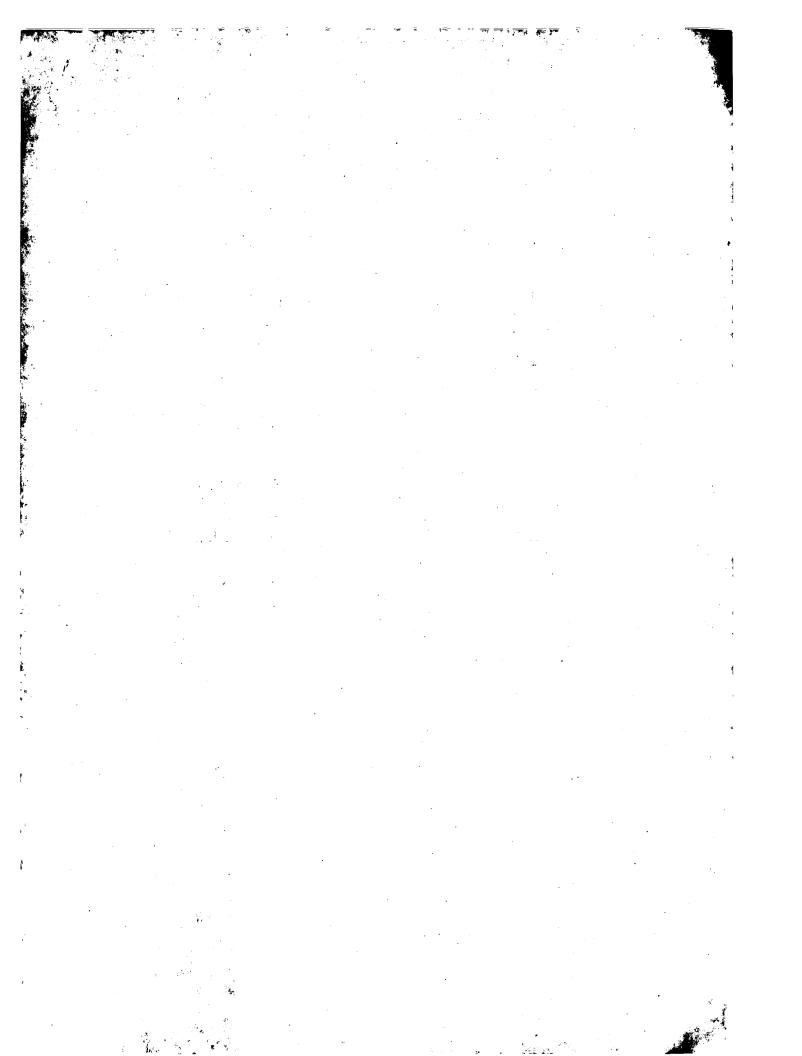
NAME/KEY: misc feature

NAME/KRY: misc_feature \OCATION: (20); (20) \THER INFORMATION: Phosphorothioate 3'-Internucleotide Linkage OTHER INFORMATION: 2'-deoxy-2'-fluoro

INFORMATION: 2'-deoxy

INFORMATION: 2'-deoxy

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NUMBER OF SEQ ID NOS: 626
SOFTWARE: Patentin version 3.2
SEQ ID NO 520
LENGTH: 23
TYPE: RNA
ORGANISM: Artificial
FEATURE:
Search completed: June 23, 2003, 19:12:13 Job time: 483.861 secs
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                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense; OTHER INFORMATION: region PCT-US03-04088-520
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 15
PCT-US03-04088-520/c
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                                                                                                                                                                                       Query Match
Best Local Similarity
Matches 11; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: US 60/409,293
PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/440,129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-06-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: PCT/US03/04088
CURRENT FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: US 60/396,600
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: US 60/406,784
PRIOR FILING DATE: 2002-08-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: RNA Interference Mediated Inhibition of Telomerase Gene TITLE OF INVENTION: Expression Using Short Interfering RNA (siNA) FILE REFERENCE: 02-708-A (400/080)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US 60/408,378 FILING DATE: 2002-09-05
                                                                                             23 GCTCTAGAATG 13
                                                                                                                          1 GCTCTAGAATG 11
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Beigelman, Leonid
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Minimum DB seq length: 0 Maximum DB seq length: 50
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Perfect score:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Searched:
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COMB. seq: *
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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|--|--|--|--|--------------------|
| 1111 | | ===== | | Score |
| 100.0 | 100.0 | 100.0 | 1000.0 | Query Match Length |
| 2222 | 119 21 21 | 188 188 188 | 18 13 11 11 | ength DB |
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| Sequence 5, Appli Sequence 5, Appli Sequence 9, Appli Sequence 17, Appl | 13,13, | | e 11, e 11, e 12, e 10, p | Description |

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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770,564
FILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08/770,565
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 15389-27PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0300
TELEPAX: (415) 576-0300
TELEPAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 11:
                                                                                                                                                                                                                                                                                                                                                                          ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US97/23619

FILING DATE: Not yet assigned

CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: Methods for Detecting and InTITLE OF INVENTION: ANA Component of Telomerase NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Methods for Detecting and Inhibiting the RNA Component of Telomerase 29
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US-09-956-6044-135337
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9 US-08-387-294-27
PCT-US99-03302-4
PCT-US99-07533-4
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Sequence
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5, Appli

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135337,

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27, Appli

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21, Appli

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LOCATION: 1..11
COTHER INFORMATION: /note= "oligo 21ab2"
PCT-US97-23619-11
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US-08-770-564A-11
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RESULT 3
US-09-540-119B-11
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Best Local S
Matches 11
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NAME: SCOTE11a, JOHN R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 0153
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
TELEPAC: 415-576-0300
INFORMATION FOR SEG ID NO: 11:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 11; Conserv
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MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible .

COMPUTER: IBM PC compatible .

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Vers

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/770,564A

FILING DATE: 20-DEC-1996

CLASSIFICATION: 514
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APPLICANT: Fruzan, Ron
APPLICANT: Weinrich, Scott L.
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSES: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LWO Embarcad
CLTY: San Francisco
STATE: CA
COUNTRY: US?
ZIP
                                                                                                                                                                                                                                                                                                                         LENGTH: 11 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
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RESULT 1 PCT-US97-23619-11

Sequence 11, Applicat: GENERAL INFORMATION: APPLICANT: APPLICANT:

Application PC/TUS9723619

San Francisco : California

USA

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SEQ ID NO 11
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CURRENT FILING DATE: 2000-03-31
NUMBER OF SEQ ID NOS: 25
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APPLICANT: Weinrich, Scott
TITLE OF INVENTION: Telomerase Inhibitor Polynucleotides
FILE REPERENCE: 029/001
FILE REPERENCE: 029/001
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CURRENT FILING DATE: 2000-03-31
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TITLE OF INVENTION: Telomerase Inhibitor Polynucleotides
FILE REFERENCE: 029/001
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APPLICANT: Pruzan, Ronal
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APPLIC
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ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
STREET: I'WO LILL
CITY: San Francisco
CTATE: California
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FILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/770
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 1538
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO:
                                            COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                              APPLICANT:
APPLICANT:
                                                                                                                                    COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk
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MEDIUM TYPE: Floppy disk
ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES:
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              APPLICATION NUMBER: FILING DATE: 20-DECCLASSIFICATION: 51
                                                                                                                                                                        ZIP:
                                                                                                                                                                                                                                                                                                          ITLE OF INVENTION:
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OTHER INFORMATION:
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                                                                                                                                                                                                                          CITY:
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TOPOLOGY: 1:
; MOLECULE TYPE:
US-08-770-564A-10
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Best Local Similarity
Matches 11; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                 ZIP: 94111-3834
ZIP: 94111-3834
ZIP: 94111-3834
ZIP: 94111-3834
ZIP: 94111-3834
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #11.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: 415-576-0300
WIFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
                                                                                                               PRIOR APPLICATION NUMBER: US 08/851,843
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING TAMES
                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/846,017
FILING DATE: 25-APR-1997
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                          CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/724,643
PILLING DATE: 01-OCT-1996
PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: TW
CITY: San
STATE: Cal
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 GCTCTAGAATG 11
                                                                                                                                                                                                                                                                                           CATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               : Chapman, ....
: Morin, Gregg B.
!: Harley, Calvin B.
I: Andrews, William H.
INVENTION: Human Telomerase Catalytic Subunit
- ^~~TRNCES: 726
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EDNESS: single
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Nakamura, Toru
Chapman, Karen B.
Morin, Gregg B.
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ATION DATA:
N NUMBER: US 08/912,951
E: 14-AUG-1997
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                                                                                                                                                                                                                                                                           NUMBER: US 08/844,419
18-APR-1997
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¤RR: 015389-002200US
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US-09-402-181A-543
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
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APPLICATION NUMBER: U
FILING DATE: 14-AUG-
PRIOR APPLICATION DATA:
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TELEPHONE: (415) 576-0200
           COMPUTER ENDABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING DATE: PACENTIN Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US/09/402,181A
FILLING DATE: 29-Sep-1997
CLASSIFICATION: CURKNOWN>
PRIOR APPLICATION NUMBER: US/08/402,181A
APPLICATION NUMBER: US/08/402,181A
APPLICATION NUMBER: US/08/404,419
FILING DATE: 01-CCT-1996
APPLICATION UNMBER: US/08/44,419
FILING DATE: 18-APR-1997
FILING DATE: 18-APR-1997
FILING DATE: 18-APR-1997
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IOARTION: 1..18
OTHER INFORMATION: /note= "antisense hTR molecule"
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REGISTRATION NUMBER:
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Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
Morin, Gregg B.
Harley, Calvin B.
Andrews, William H.
Andrews, William Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 633
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CITY: San Francisco
STATE: California
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ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
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14-AUG-1997
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US 08/846,017
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RESULT 9
US-.09-402-181B-543
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Best Local S
Matches 11
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INFORMATION FOR SEQ ID NO: 543
SEQUENCE CHARACTERISTICS:
                                  COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/402,181B

FILING DATE: 29-Sep-1997

CLASSTICATION. UT-COMP
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OTHER INFORMATION: /note= "antisense hTRT molecule"
SEQUENCE DESCRIPTION: SEQ ID NO: 543:
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FILING DATE: 01-OCT-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REGISTRATION NUMBER: 42,271
REFERENCE/DOCKET NUMBER: 015389-002620US
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Cech, Thomas R.
                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: Human Telomerase Catalytic Subunit
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STRANDEDNESS: single
TOPOLOGY: linear
                       CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                         COUNTRY: USA
                                                                                                                                                                                                                                                STATE: California
                                                                                                                                                                                                                                                                     CITY: San Francisco
                                                                                                                                                                                                                                                                                    STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY:
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                                                                                                                                                                                                                                                                                                     ADDRESSEE: Townsend and Townsend and Crew LLP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US 08/915,503 FILING DATE: 14-AUG-1997
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FILING DATE: 14-AUG-1997
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Harley, Calvin B.
Andrews, William H.
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Chapman, Karen B.
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: 06-MAY-1997
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Pred. No. 1.5e+04;
; Mismatches 0;
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US-09-432-503-543
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity 100.0%;
              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OTHER INFORMATION: /note= "antisense hTRT molecule" SEQUENCE DESCRIPTION: SEQ ID NO: 543:
                                                                                                                                                                                                                                     Andrews, William H.
TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 727
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE: (415) 576-0200
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                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Cech, Thomas R.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 GCTCTAGAATG 11
                                                                                                                                        STATE: California
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OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REGISTRATION NUMBER: 42,271
REFERENCE/DOCKET NUMBER: 015389-002620US
                                                                                                 ZIP: 94111-3834
                                                                                                                                                             CITY: San Francisco
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
                                                                                                                       COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US 08/912,951 FILING DATE: 14-AUG-1997 APPLICATION NUMBER: US 08/915,503
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SOFTWARE: PatentIn Release #1.0, Version #1.30
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APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
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TLING DATE: 09-MAY-1997
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Nakamura, Toru
Chapman, Karen B.
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Harley, Calvin B.
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TUMBER
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; LOCATION: 1..18
; OTHER INFORMATION: /
; SEQUENCE DESCRIPTION: SEQ
US-09-432-503-543
                                                                                                                                                                                                                                                                             RESULT 11
US-09-721-477-543
                                                                                                                                                                                                Sequence 543, Application US/09721477
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
Lingner, Joachim
                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local
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FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/912,951
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE: (415) 576-0
TELEFAX: (415) 576-0
WATION FOR SEQ ID NO: 543
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/09/432,503
                                                                                     Chapman, Karen B.
MOXIN, Gregg B.
MARILEY, Calvin B.
Andrews, William H.
TITLE OF INVENTION: Human Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                            11;
                                                                                                                                                                                                                                                                                                                                                                                                                            n 100.0%;
Similarity 100.0%;
11; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                    GCTCTAGAATG 11
                                                                                                                                                                                                                                                                                                                                                        GCTCTAGAATG 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US 08/844,419
FILING DATE: 18-APR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TLING DATE: 18-APR-1997
ULING DATE: 25-APR-1997
ULING DATE: 25-APR-1997
  PONDENCE ADDRESS:

DDRESSEE: Townsend and Crew LLP
TREET: Two Embarcadero Center, Eighth Floor
ITY: San Francisco
                                                                          OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PLICATION NUMBER: 08/974,549
LING DATE: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ICATION NUMBER: US 08/851,843
NG DATE: 06-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ICATION NUMBER: US 08/854,050
NG DATE: 09-MAY-1997
                                                                                                                                                              Chapman, Karen B.
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Pred. No. 1.5
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note= "antisense hTRT molecule"
) ID NO: 543:
                                                                                           Catalytic Subunit
                                                                                                                                                                                                                                                                                                                                                                                                                                               .5e+04
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 18;
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                                                           RESULT 12
US-09-721-506-543
; Sequence 543, Application US/09721506
; SENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
Lingner, Joachim
                                                                                                                                                                                                                                                                                                                                                              Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: (415) 576-03
INFORMATION FOR SEQ ID NO: 543:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: lin
MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                          1 GCTCTAGAATG 11
                                                                                                                                                                                                                                                                                            n 100.0%; Score 11; DB 29; Similarity 100.0%; Pred. No. 1.5e+04; 11; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 18 base pairs
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
Morin, Gregg B.
Marley, Calvin B.
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Length 18; Indels

0

Gaps

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PRIOR APPLICATION: «Unknown»

APPLICATION DATA:
APPLICATION UNMBER: 08/974,549

FILING DATE: «Unknown»

APPLICATION NUMBER: US 08/844,419

FILING DATE: 18-APR-1997

APPLICATION NUMBER: US 08/846,017

FILING DATE: 25-APR-1997

APPLICATION NUMBER: US 08/851,843

FILING DATE: 06-MAY-1997

APPLICATION NUMBER: US 08/854,050

FILING DATE: 09-MAY-1997

APPLICATION NUMBER: US 08/854,050 APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
APPLICATION NUMBER: WO PCT/US97/17885
FILING DATE: 01-OCT-1997
ATTORNEY/AGENT INFORMATION: COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/09/721,477
FILING DATE: 22-Nov-2000 NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0300
TELEPAX: (415) 576-0300 COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk APPLICATION NUMBER: US 08/911,312
FILING DATE: 14-AUG-1997
FILING DATE: 14-AUG-1997
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
FILING DATE: 14-AUG-1997

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RESULT 13
PCT-US97-23619-9
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 Sequence 9, Application PC/TUS9723619 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                              Local
                                                                                                                                                                                                                                                                                       SEQUENCE DESCRIPTION: SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                 FEATURE:
                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: Human Telomerase Catalytic Subunit
NUMBER OF SEQUENCES: 727
                                                                                                                                                       1 GCTCTAGAATG 11
                                                                                                                                                                                                              Similarity
                                                                                                                                                                                                                                                                                                        LOCATION: 1..18
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US 08/724,643 FILING DATE: 01-OCT-1996 APPLICATION NUMBER: US 08/844,419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 22-Nov-2000 CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                              NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 18 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (415) 576-0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: WO PCT/US97/17885 FILING DATE: 01-OCT-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 08/915,503
FILING DATE: 14-AUG-1997
APPLICATION NUMBER: WO PCT/US97/17618
FILING DATE: 01-OCT-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 08/846,017 FILING DATE: 25-APR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US/09/721,506
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US 08/854,050 FILING DATE: 09-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US 08/851,843. FILING DATE: 06-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 18-APR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEPHONE: (415)
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FILING DATE: 14-AUG-1997
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PLICATION NUMBER: US 08/912,951
LING DATE: 14-AUG-1997
                                                                                                                                                                                          Conservative
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) ID NO: 543:
                                                                                                                                                                                                          Score 11; DB 29; Length 18; Pred. No. 1.5e+04;
                                                                                                                                                                                          Mismatches
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                                                                                                                                                                     Sequence 9, Application:
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 20-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/
FILING DATE: 20-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
                                                                                                                APPLICANT: I
APPLICANT: I
APPLICANT: V
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PRIOR APPLICATION NUMBER: US 08/770,564
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER: 15
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
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ADDRESSEE: Townsend and
                                                         NUMBER OF SEQUENCES:
                                                                    TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
                                     CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: PCT/US97/23619 FILING DATE: Not yet assigned
                                                                                                                                                                                                                                                                                                                                                                               Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                          LOCATION: 1..19
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Storella, John R REGISTRATION NUMBER: 3
     STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRANDEDNESS:
                     ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                        1 GCTCTAGAATG 11
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nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                 Similarity
                                                                                                                                                                                          Application US/08770564A
                                                                                                                                                                                                                                                                                       GCTCTAGAATG
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3: TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Two Embarcadero
                                                                                                            Weinrich,
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                                                                                                                                   Pruzan, Ron
                                                                                                                                             Kealey, James T.
                                                                                                                                                                                                                                                                                                                                                               Conservative
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                                                                                                                                                                                                                                                                                     11
                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 11; DB 1; 100.0%; Pred. No. 1.5e+04;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= "oligo 21ab"
                                                                                                                Scott L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US 08/770,565
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                                                                                                                                                                                                                                                                                                                                                                                                 Length 19;
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Gaps

CITY: San Francisco STATE: CA

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SEQUENCE 13, Application US/07887265A

SEQUENCE 13, Application US/07887265A

GENERAL INFORMATION:

APPLICANT: Gorman, Cornelia M.,

APPLICANT: Gorman, Cornelia Marxiott, Dave,

APPLICANT: Gorman, Cornelia Marxiott, Dave,

APPLICANT: Gorman, Cornelia Marxiotte, Dave,

APPLICANT: Gorman, Cornelia M.,

APPLICANT: Gorman, Cor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPAX: 415-5/0 9
INPORMATION FOR SEQ ID NO: 9
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
TYPE: nucleic acid
TYPE: nucleic single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 100.0%;
Best Local Similarity 100.0%;
Matches 11; Conservative 0
CLASSITICATION 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/803631
PRILING DATE: 06-DEC-1991
ATTORNEY_AGENT INFORMATION:
NAME: Adler Carolyn R.
REGISTRATION NUMBER: 32,324
REFERENCE/DOCKET NUMBER: 748P1
                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
COMPUTER EADABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/887,265A
FILING DATE: 19920522
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Storella, John R.
REGISTATION NUMBER: 32,944
REPERENCE/DOCKET NUMBER: 01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM CC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, 1
CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/08/770,564/
FILING DATE: 20-DEC-1996
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Search completed: June 23, 2003, 16:08:22 Job time: 923.675 secs

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Minimum DB seq length: 0
Maximum DB seq length: 50
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Perfect score:
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                                                      and is derived by analysis of the total score distribution
                                                                                score greater than or equal
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Gapop 60.0 , Gapext 60.0
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Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                       Sgn2_6/ptodata/1/pubpna/USO8_NEW_PUB.seq:*
Sgn2_6/ptodata/1/pubpna/USO8_PUBCOMB.seq:*
Sgn2_6/ptodata/1/pubpna/USO9_NEW_PUB.seq:*
/cgn2_6/ptodata/1/pubpna/USO9_PUBCOMB.seq:*
/cgn2_6/ptodata/1/pubpna/USO9_PUBCOMB.seq:*
/cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
/cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
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6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:*
SUMMARIES
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| 100.0 | 100.0 | 1000.0 | Query Match Length 100.0 22 100.0 22 |
| 3 4 6 4 9 | 26 27 28 | 3 4 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | Length DB 21 9 22 1 |
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| US-10-162-223-2 US-09-784-508-10 US-10-166-183-14 | US-10-044-692-312 US-10-044-539-312 US-09-057-351-23 US-09-784-508-8 US-09-784-006A-3 | US-09-952-228-17 US-09-952-5228-31 US-10-245-813-2 US-10-215-112-6862 US-10-011-366-16 US-10-118-495-13 US-10-118-495-13 US-09-952-5228-19 | ID |
| Sequence 2, Appli Sequence 10, Appl Sequence 14, Appl | Sequence 312, App Sequence 312, Appl Sequence 23, Appl Sequence 8, Appli Sequence 3, Appli | Sequence 17, Appl Sequence 31, Appl Sequence 2, Appl Sequence 2, Appl Sequence 6862, Appl Sequence 16, Appl Sequence 11, Appl Sequence 13, Appl Sequence 19, Appl | e 13 |

| | C 44 | | 42 | 41 | 40 | 39 | | c 37 | 36 | 35 | | c 33 | | | | 29 | 28 | c 27 | 26 | c 25 | 24 | 23 | 22 | 21 | c 20 |
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| 30 10 US-09-957-485-13 | 0 | 9 | 29 9 US-10-083-590-4 | | 10 | 26 10 US-09-954-586-38 | 10 | 10 | | | 10 | 26 10 US-09-954-695-30 | 9 | | | 25 9 US-10-098-263B-44594 | | | 9 | | | | 21 8 US-08-913-322-3 | | 36 9 US-10-127-816-18 |
| e ; | 17 | 13 | Sequence 4, Appli | Sequence 27, Appl | 42 | 38 | | 30, | 42, | | - | Sequence 30, Appl | | Sequence 80110, A | Sequence 80109, A | Sequence 44594, A | Sequence 44593, A | 889 | | 2, 1 | Sequence 11, Appl | Sequence 15, Appl | Sequence 3, Appli | Sequence 11, Appl | Sequence 18, Appl |

ALIGNMENTS

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NESULT 1

US-09-997-868-13/c

Sequence 13, Application US/09997868

Publication No. US20030031654A1

GENERAL INFORMATION:

APPLICANT: GORDAN DEBYRA J.

TITLE OF INVENTION: Prohormone Convertase Transformed Cells and NUMBER OF SEQUENCES: 57

CORRESPONDENCE ADDRESS:

ADDRESSE: ADDRESS:

ADDRESSE: ONA WAY

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIF: 94080

COMPUTER: IBM PC compatible

OPERATING YSTEME: JS-105/MS-DOS

SOFTWARE: WinPatin (Genentech)

APPLICATION NUMBER: US/09/997,868

FILING DATE: 12-Mar-2002

CLASSIFICATION DATA:

APPLICATION DATA:

APPLICATION NUMBER: O7/887265

FILING DATE: 22-MAY-1992

APPLICATION NUMBER: PCT/US92/10621

APPLICATION NUMBER: PCT/US92/10621

APPLICATION NUMBER: PCT/US92/10621

APPLICATION NUMBER: PCT/US92/10621

ARGIGERRATION NUMBER: PCT/US92/10621

ARGIGERRATION NUMBER: PO7/48P3

TELEPAN: 650/255-5300

TELEPAN: 650/255-5300

TELECOMMUNICATION INFORMATION:

TELEPAN: 650/952-9881

INFORMATION POR SEQ LD NO: 13:

SEQUENCE CHARACTERISTICS:
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CURRENT APPLICATION NUMBER: US/09/765,873A
CURRENT FILING DATE: 2001-01-19
PRIOR APPLICATION NUMBER: US 09/627,216
PRIOR FILING DATE: 2000-07-27
                               TITLE OF INVENTION: ADIPOSE-DERIVED STEM CELLS AND LATTICES FILE REFERENCE: 30448.77USI1
FILE REFERENCE: 30448.77USI1
CURRENT APPLICATION NUMBER: U$/09/952,522B
CURRENT FILING DATE: 2001-09-10
PRIOR APPLICATION NUMBER: PCT/US00/06232
PRIOR FILING DATE: 2000-03-10
PRIOR FILING DATE: 2000-03-10
PRIOR APPLICATION NUMBER: 60/123,711
PRIOR FILING DATE: 1999-03-10
PRIOR FILING DATE: 1999-03-10
PRIOR APPLICATION NUMBER: 60/162,462
PRIOR FILING DATE: 1999-10-29
NUMBER OF TELLING DATE: 1999-10-29
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EQ ID NO 5
LENGTH: 22
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cation No. US20030082152A1
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                       OF SEQ ID NOS:
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PatentIn Ver. 2.1
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US20010053847A1
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G DATE: 1999-08-06
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Hedrick, Marc H.
Benhaim, Prosper
Lorenz, Hermann Peter
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Nucleic Acid
EDNESS: Single
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Best Local
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LAKENCE: 30448.77USI

CURRENT APPLICATION UNMBER: US/09/952,522B

CURRENT FILING DATE: 2001-09-10

PRIOR APPLICATION NUMBER: PCT/US00/06232

PRIOR PLING DATE: 2000-03-10.

PRIOR PLING DATE: 1999-03-10

PRIOR APPLICATION NUMBER: 60/123,711

PRIOR PLING DATE: 1999-03-10

PRIOR PLING DATE: 1999-03-10

PRIOR FILING DATE: 1999-10-29

PRIOR FILING DATE: 1999-10-30

PRIOR FILI
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 5
US-09-952-522B-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Description of Artificial Sequence: Osteopontin; OTHER INFORMATION: forward primer US-09-952-522B-17
                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 31, Application US/09952522B Publication No. US20030082152A1
CURRENT APPLICATION NUMBER: US/09/952,522B
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                                                                                                                                                                                                                                                                                                                                     PPLICANT: Katz, A
                                            INVENTION: ADIPOSE-DÉRIVED STEM CELLS AND LATTICES 
SRENCE: 30448.77USI1
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Similarity 100.0%;
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Hedrick, Marc H.
Benhaim, Prosper
Lorenz, Hermann Peter
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Pred. No. 3.9e+02;
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; OTHER INFORMATION: casp3L primer
US-10-245-813-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Description of Artificial Sequence: PPAR gamma 1; OTHER INFORMATION: forward primer US-09-952-522B;31
                                                                                                                                                                                                                US-10-215-112-6862/c
                                                                                                                                                                                                                                     RESULT 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-245-813-2
                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
Matches 11; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 2, Application US/1U2*: Publication No. US20030060443A1 GENERAL INFORMATION:
                                                                                                                                                   Sequence 6862, Application US/10215112
Publication No. US20030082596A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
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Best Local Similarity
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LENGTH: 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Gyun Min Lee
APPLICANT: No. US20030060443A1Soo Kim
TITLE OF INVENTION: INHIBITION OF APOPTOSIS BY THE
TITLE OF INVENTION: EXPRESSION OF ANTISENSE RNA OF
FILE REFERENCE: 118.19-US-01
CURRENT APPLICATION NUMBER: US/10/245,813
CURRENT FILING DATE: 2002-09-17
    NUMBER OF
SOFTWARE:
                  FILE REPERRNCE: 3119
CURRENT APPLICATION NUMBER: US/10/215,112
CURRENT FILING DATE: 2002-08-08
NUMBER OF SEQ ID NOS: 14936
                                                                                            APPLICANT: Michael Mittmann
TITLE OF INVENTION: Method of Genetic Analysis of Probes:
TITLE OF INVENTION: Test3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR FILING DATE: 20
NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: 2001-57353
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: 60/123,711
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQ ID NOS: 58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR FILING DATE: 1999-10-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: 60/162,462
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: PCT/US00/06232
FILING DATE: 2000-03-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 1999-03-10
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                                                                                                                                                                                                                                                                                                                                   GCTCTAGAATG 11
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ilarity 100.0%;
Conservative 0,
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Windows Version 4.0
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                          Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-011-366-16
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LENGTH: 25
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Publication No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
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Best Local Similarity
                                                                                                                  TELEFAX: (415) 397-8
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
                                                                                                                                                                              REFERENCE/DOCKET NUMBER: OPHD-01121
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
                                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Kink, John A.
TITLE OF INVENTION: IDENTIFICATION OF NEUTRALIZING EPITOPES
OF TOXIN A AND TOXIN B FOR THE TREATMENT OF C. DIFFICILE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION DATA:
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS: ADDRESSEE: Medlen & Carroll
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Williams, James A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15
                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/08/957,310
FILING DATE: 23-OCT-1997
APPLICATION NUMBER: US 08/329,154
FILING DATE: 24-OCT-1994
APPLICATION NUMBER: US 08/161,907
FILING DATE: 02-DEC-1993
APPLICATION NUMBER: US 07/985,321
FILING DATE: 04-DEC-1992
APPLICATION NUMBER: US 07/429,791
FILING DATE: 31-OCT-1989
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
                                                                              TYPE: nucleic acid
                                                                                                                                                                                                                                            NAME: Ingolia, Diane E. REGISTRATION NUMBER: 40,027
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/10/011,366 FILING DATE: 16-NO. US20030054493A1-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: United States of America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: 220 Montgomery Street, Suite 2200
                                      TOPOLOGY: linear
                                                           STRANDEDNESS:
                                                                                                 LENGTH: 26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Application US/10011366
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                     (genomic)
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Pred. No. 3.9e+02;
); Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Version #1.30
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Query Match

100.0%;

Score 11;

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Length 26;

Best Local Similarity 100.0%; | Matches 11; Conservative 0;

Pred. No. 3.1

. 3.9e+02; cheв 0;

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B) 8
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US-10-118-495-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; OTHER INFORMATION: Synthetic US-10-118-495-11
                                                                                                                                              ; OTHER INFORMATION: Synthetic US-10-118-495-13
                                                     Query Match
Best Local Similarity
"---hes 11; Conserv
                                                                                                                                                                                                                                    APPLICANT: King, Rouven.

TITLE OF INVENTION: Compositions and Methods for the Production of Betaine Lipids
FILE REFERENCE: MSU-06897
CURRENT PILING DATE: 2002-04-08
PRIOR APPLICATION NUMBER: 60/283,812
PRIOR APPLICATION NUMBER: 60/283,812
PRIOR FILING DATE: 2001-04-13
NUMBER OF SEQ ID NOS: 42
SOFTWARE: Patentin version 3.1
SEQ ID NO 13
ENGTH: 26
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                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: Benning, Christoph
APPLICANT: Riekhof, Wayne
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 11, Application No. US200 GENERAL INFORMATION:
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APPLICANT: Rickhof, Wayme
APPLICANT: Klug, Rouven
TITLE OF INVENTION: Compositions and Methods for the Production of Betaine Lipids
FILE REFERENCE: MSU-06897
CURRENT APPLICATION NUMBER: US/10/118,495
CURRENT FILING DATE: 2002-04-08
FRIOR APPLICATION NUMBER: 60/283,812
PRIOR APPLICATION NUMBER: 60/283,812
PRIOR APPLICATION OF SEQ ID NOS: 42

NUMBER OF SEQ ID NOS: 42
                                                                                                                                                                              TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Artificial Sequence
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                       1 GCTCTAGAATG 11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PatentIn version 3.1
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10. US20030074688A1
                                                                  100.0%; illarity 100.0%; conservative 0;
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                                                                       Score 11; DB 9; 1
Pred. No. 3.9e+02;
; Mismatches 0;
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RESULT 12
US-10-044-692-312
; Sequence 312, Ap
; Publication No.
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CURRENT APPLICATION NUMBER: US/09/952,522B

CURRENT FILING DATE: 2001-09-10

PRIOR APPLICATION NUMBER: PCT/US00/06232

PRIOR APPLICATION NUMBER: PCT/US00/06232

PRIOR APPLICATION NUMBER: PCT/US00/06232

PRIOR PILING DATE: 1999-03-10

PRIOR PILING DATE: 1999-03-10

PRIOR APPLICATION NUMBER: 60/162,462

PRIOR FILING DATE: 1999-10-29

NUMBER OF SEQ ID NOS: 58

SOPTWARE: PATENTIN Ver. 2.1

SEQ ID NO 19

LENGTH: 26
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US-09-952-522B-19
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Best Local Similarity
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FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Bone
OTHER INFORMATION: Bialogrotein forward primer
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA: US/10/044,692
FILING DATE: 11-Jan-2002
                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 335

CORRESPONDENCE ADDRESS:
CORRESPONDENCE TOWNSEND and Townsend and Crew LLP
STREET: Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
Morin, Gregg B.
Morin, Gregg B.
Harley, Calvin
Andrews, William H.
Andrews, William H.
TITLE OF INVENTION: HUMAN TELOMERASE CATALYTIC SUBUNIT:
THERAPEUTIC METHODS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Cech, Thomas R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19, Application US/09952522B
ion No. US20030082152A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INVENTION: ADIPOSE-DERIVED STEM CELLS AND LATTICES
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Hedrick, Marc H.
Benhaim, Prosper
                                                                                                                                                                                                                              CITY: San Francisco
STATE: California
                                                                                                                                                                                                         COUNTRY: United States of America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Application US/10044692
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 11; DB 9;
100.0%; Pred. No. 3.9e+02;
cive 0; Mismatches 0;
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RESULT 13
US-10-044-539-312
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Best Local Similarity
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                                                                                            COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                        NUMBER OF STATES OF THE PROPERTY OF THE PROPERTY ADDRESS:

CORRESPONDENCE ADDRESS:

Townsend and Townsend and Crew LLP ADDRESSEE: Townsend and Townsend and Crew LLP ADDRESSEE: Townsendero Center, 8th Floor
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REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002600US
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
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                        PRIOR
                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES:
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TYPE: nucleic acid
STRANDEDNESS: single
                                 APPLICATION NUMBER: US/10/044,539
FILING DATE: 11-Jan-2002
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                             CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                     COUNTRY: United States of America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: lin
ULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: 08/912,951 FILING DATE: <Unknown>
APPLICATION NUMBER: 08/912,951
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US 08/724,643 FILING DATE: 01-OCT-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: (415) 576-0200
                   APPLICATION DATA:
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FILING DATE: 18-APR-1997
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ILING DATE: 09-MAY-1997
PPLICATION NUMBER: US 08/851,843
LLING DATE: 06-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NPPLICATION NUMBER: US 08/854,050 ILING DATE: 09-MAY-1997
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Harley, Calvin
Andrews, William H.
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Nakamura, Toru
Chapman, Karen B.
                                                                                                                                                                                                                                                                             California
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Pred. No. 3.9e+02;
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US-10-044-539-312
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Patent No. US2001
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Best Local &
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                                                                   FILING LALL
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
APPLICATION NUMBER: 07-JUL-1994
                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                       APPLICATION NUMBER: US 0 FILING DATE: 27-OCT-1994 PRIOR APPLICATION DATA:
                                                                                                                                                                                         SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES:
                                                                                                                                                          APPLICATION NUMBER: FILING DATE: 08-API
                                                                                                                                                                                                                                                                                                                                                                                                                       PPLICANT: Andrews, William H. ITLE OF INVENTION: Mammalian Telomerase
                                                                                                                                                                                                                                                                                             ZIP:
                                                                                                                                                                                                                                                                                                                           STATE:
                                                                                                                                                                                                                                                                                                                                           CITY:
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             APPLICATION NUMBER:
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TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002600US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 18-APR-1997
APPLICATION NUMBER: US 08/724,643
FILING DATE: 01-OCT-1996
                                                                                                                                                                                                                                                                                                                          California
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US
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Two Embarcadero
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                                                                                                                                                                                                                                                                                                          USA
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Funk, Walter
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07-JUN-1995
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           US 08/472,802
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                                                             US 08/330,123
                                                                                                                                                                         US/09/057,351
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                                                                                                                                                                                                                                                                                                                                                       Townsend and Crew LLP
Center, Eighth Floor
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1997
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Pred. No. 3.9e+02;
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PRIOR APPLICATION NUMBER: US-09/784,508

PRIOR APPLICATION NUMBER: US-09/737,719

PRIOR PILING DATE: 2000-12-15

PRIOR PILING DATE: 2000-12-15

PRIOR FILING DATE: 1999-01-25

NUMBER OF SEQ ID NOS: 16

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 8

LENGTH: 27

TYPE: DNA

ORGANISM: Artificial Sequence
FEATURE:
FEATURE:
FORTHARISM: Artificial Sequence
FEATURE: US-09-784-508-8
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Search completed: June 23, 2003, 20:01:33 Job time : 89.3944 secs
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US-09-057-351-23
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                         Query Match 100.0%; Score 11; DB 10; Length 27; Best Local Similarity 100.0%; Pred. No. 3.9e+02; Matches 11; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%;
Matches 11; Conservative 0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Martin, Robert R.
APPLICANT: Mathews, Helena
APPLICANT: Keller, Karen
APPLICANT: Keller, Karen
APPLICANT: Keller, Karen
APPLICANT: Wagner, Ry
TITLE OF INVENTION: Development of Resistance to Raspberry
TITLE OF INVENTION: Bushy Dwarf Virus
FILE REFERENCE: 4257-0024.31
CURRENT APPLICATION NUMBER: US/09/784,508
CURRENT FILING DATE: 2001-02-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-000821US.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION: TELEPHONE: (415) 576-0200
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3.9e+02;
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Result
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Perfect score:
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195.867 Million cell updates/sec
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Gapop 60.0 , Gapext 60.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /cgn2_6/ptodata/2/ina/5A_COMB.seq:*
/cgn2_6/ptodata/2/ina/5B_COMB.seq:*
/cgn2_6/ptodata/2/ina/6A_COMB.seq:*
/cgn2_6/ptodata/2/ina/6B_COMB.seq:*
/cgn2_6/ptodata/2/ina/backfiles1.seq:*
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US-08-770-565-11
US-08-7770-565-10
US-08-7770-565-9
US-08-770-565-9
US-08-770-565-9
US-08-026-143B-13
PCT-US94-02233-13
PCT-US94-02233-13
PCT-US94-02233-13
US-08-627-216A-5
US-08-330-123A-23
US-08-482-115B-23
US-08-482-115B-23
US-08-482-115B-23
US-08-482-15B-23
US-08-482-15B-23
US-08-482-15B-23
US-08-482-15B-23
US-08-482-15B-23
US-08-482-15B-23
US-08-495-16
US-08-495-16
US-08-95-495-16
US-08-95-18-43-23
US-08-95-18-16
US-09-220-157A-26
US-09-286-959B-4
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                                              Sequence 11, Appl Sequence 543, Appl Sequence 543, Appl Sequence 13, Appl Sequence 13, Appl Sequence 13, Appl Sequence 24, Appl Sequence 23, Appl Sequence 23, Appl Sequence 24, Appl Sequence 26, Appl Sequence 27, Appl Sequence 21, Appl Sequence 24, Appl Sequence 24, Appl Sequence 24, Appl Sequence 27, Appl Sequence 27, Appl Sequence 28, Appl Sequence 29, Appl Sequence 29, Appl Sequence 26, Appl Sequence 27, Appl Sequence 27, Appl Sequence 27, Appl Sequence 28, Appl Sequence 28, Appl Sequence 26, Appl Sequence 27, Appl Sequence 27, Appl Sequence 27, Appl Sequence 28, Appl Sequence 28, Appl Sequence 27, Appl Sequence 28, Appl Sequence 2
                             Sequence
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     Sequence
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| | 555555555555555555555555555555555555555 |
| | 999000000000000000000000000000000000000 |
| | 27 27 27 30 30 30 30 31 31 31 31 31 31 31 31 31 31 31 31 31 |
| ALIGNMENTS | 2 US-08-770-565-26 3 US-08-630-172-24 3 US-09-375-419-24 4 US-08-970-565-8 2 US-08-995-927-7 4 US-09-349-627-5 4 US-09-349-627-5 4 US-09-630-172-22 4 US-09-315-419-22 3 US-08-815-190A-3 3 US-08-815-190A-3 4 US-09-091-305-3 4 US-08-395-800A-12 2 US-08-395-800A-12 2 US-08-395-800A-12 2 US-08-395-800A-12 3 US-08-395-800A-12 4 US-08-395-800A-12 4 US-08-395-800A-11 4 US-08-687-580B-9 4 US-08-687-580B-9 4 US-08-964-702-7 1 US-08-476-537-114 1 US-08-485-607-114 |
| | Sequence 26, Appl Sequence 24, Appl Sequence 24, Appl Sequence 8, Appli Sequence 7, Appli Sequence 7, Appli Sequence 7, Appli Sequence 22, Appl Sequence 22, Appl Sequence 3, Appli Sequence 3, Appli Sequence 12, Appli Sequence 13, Appli Sequence 14, Appli Sequence 13, Appli Sequence 13, Appli Sequence 13, Appli Sequence 14, Appli Sequence 17, Appli Sequence 17, Appli Sequence 17, Appli Sequence 114, Appli |

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RESULT 1
US-08-770-565-11
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APPLICANT: Kim, Nam Woo
APPLICANT: Wu, Fred
APPLICANT: Kealey, James
APPLICANT: Pruzan, Ronald
APPLICANT: Weinrich, Scot
                                                                                                     TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 11 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
  Query Match 100.0%;
Best Local Similarity 100.0%;
Matches 11; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 11, Appli
Patent No. 5846723
                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 0153
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOTTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: Methods for Detecting the RNA Component of INVENTION: Telomerase NUMBER OF SEQUENCES: 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DEC-1996
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Application US/08770565
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Pruzan, Ronald
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Score 11; DB 2; 1
Pred. No. 2.8e+02;
); Mismatches 0;
                                       Length 11;
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GCTCTAGAATG 11

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COUNTRY: USA
ZIP: 9411-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,565
FILING DATE: 20-DC-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
NAME: Storella, John R.
REGISTRATION NUMBER: 015389-002300US
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0300
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDENNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-770-565-10

100.0%: Score 11; DB 2; L
                                                                                                           Sequence 543, Application.

Sequence 543, Application.

Patent No. 6166178

GENERAL INFORMATION:

APPLICANT: Cech, Thomas R.

APPLICANT: Lingner, Joachim

APPLICANT: Nakamura, Toru

Chapman, Karen B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 2
US-08-770-565-10
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                                                                                                                                                                                                                                                                                                                                                                                                                                              Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LICANT: Weinrich, Scott L.
LE OF INVENTION: Methods for Detecting the RNA Component of
LE OF INVENTION: Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                 1 GCTCTAGAATG 11
                                                                                                                                                                                                                                                                                                                                                                                                                                              Similarity
               T: Morin, Gregg B.
T: Harley, Calvin B.
T: Andrews, William H.
INVENTION: Human Telomerase Catalytic Subunit
F SEQUENCES: 727
                                                                                                                                                                                                                                                                                                                                            GCTCTAGAATG 11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  E: TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                        Application US/08974549A
                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 11; llarity 100.0%; Pred. No. Conservative 0; Mismatch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Kealey, James '
Pruzan, Ronald
ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                              2.7e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 15;
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1 GCTCTAGAATG 11

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GCTCTAGAATG 11

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LOCATION: 1..18; OTHER INFORMATION: /note= "antisense hTRT molecule" US-08-974-549A-543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION INTA:
APPLICATION UNMBER: US/08/974,549A
FILING DATE: 19-NOV-1997
CLASSIFICATION DATA:
APPLICATION UNMBER: US/08/724,643
FILING DATE: 01-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/844,419
FILING DATE: 18-APR-1997
PRIOR APPLICATION NUMBER: US/08/846,017
FILING DATE: 25-APR-1997
PRIOR APPLICATION NUMBER: US/08/851,843
FILING DATE: 06-MAY: 1997
PRIOR APPLICATION NUMBER: US/08/851,843
FILING DATE: 06-MAY: 1997
PRIOR APPLICATION NUMBER: US/08/854,050
FILING DATE: 14-AUG-1997
PRIOR APPLICATION NUMBER: US/08/911,312
APPLICATION NUMBER: US/08/912,951
FILING DATE: 14-AUG-1997
PRIOR APPLICATION NUMBER: US/08/912,951
FILING DATE: 14-AUG-1997
PRIOR APPLICATION NUMBER: US/08/915,503
FILING DATE: 14-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/915,503
FILING DATE: 14-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO/DCT/US/97/17618
FILING DATE: 14-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO/DCT/US/97/17618
FILING DATE: 10-OCT-1997
PRIOR APPLICATION NUMBER: WO/DCT/US/97/17618
FILING DATE: 10-OCT-1997
PRIOR APPLICATION NUMBER: WO/DCT/US/97/17618
PRIOR APPL
    Matches
                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEPHONE: (415) 576-03
TELEPAX: (415) 576-030
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Apple, Randolph Ted
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 015389-002610US
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Bighth Floor CITY: San Francisco STATE: California
11; Conservative
                                        Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   576-0300
                                    100.0%;
                                    Score 11; DB 4;
Pred. No. 2.6e+02;
                                                                        Length 18;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRANDEDNESS:
TOPOLOGY: line
MOLECULE TYPE: D
S-08-770-565-9
                                                                                                                                                                                                               Sequence 13, Application US/08026143B Patent No. 6348327 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 0153
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Kim, N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: 415-576-0300
NFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DDS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: METITLE OF INVENTION: TENUMBER OF SEQUENCES: 20 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 20 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 94111-3834
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE:
                                                                                                             NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
                                                                                                                                           TITLE OF INVENTION: Prohormone Convertase Transformed Cells and Polypeptide Synthesis
                                                                                                                                                                                              APPLICANT: Gorman, Cornelia M.,
COMPUTER READABLE FORM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9
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                                                                                                                                                                                                                                                                                                                                                                                                                  Similarity
                                               CITY: South San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                  GCTCTAGAATG 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Application US/08770565
                                                                                STREET: 1 DNA Way
                               COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               California
                                                                                              ADDRESSEE: Genentech, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Weinrich,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Kim, Nam Woo
Wu, Fred
                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
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Pruzan, Ronald
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOWNSEND and TOWNSEND and CREW LLP
                 94080
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20-DEC-1996
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                  Score 11; DB 2;
Pred. No. 2.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 19;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 13, Applicat GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM; PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/1062:
FILING DATE: 19921204
CLASSIFICATION DATA:
PRICR APPLICATION DATA:
APPLICATION UMBER: 07/887265
FILING DATE: 22-MAY-1992
PRICR APPLICATION DATA:
APPLICATION UMBER: 07/803631
FILING DATE: 06-DEC-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                        ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity 100.0%; es 11; Conservative
                                                                                                                                                                                                                                                                                                                       COUNTRY:
                                                                                                                                                                                                                                                                                                                                                               STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TLE OF INVENTION: Prohormone Convertase Transformed Cells and Polypeptide Synthe
                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: 07/887265
FILING DATE: 22-MAY-1992
APPLICATION NUMBER: 07/803631
FILING DATE: 06-DEC-1992
APPLICATION NUMBER: PCT/US92/10621
FILING DATE: 04-DEC-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE DESCRIPTION: SEQ ID NO: 13:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11 GCTCTAGAATG 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WinPatin (denentech)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: PO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: Nucleic Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: 01-Mar-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US/08/026,143B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Application PC/TUS9210621
                                                                                                                                                                                                                                                                                                                                            California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: 650/952-9881
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE: 650/225-5530
                                                                                                                                                                                                                                                                                                                         USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Groskreutz Debrya J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Marriott, Dave,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gorman, Cornelia M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Genentech, Inc
                                                                                                                                                                                                                                                                                                                                                                                                         Genentech,
                                                                                                                                                            PCT/US92/10621
                                                                                                                                                                                                                                                               360 Kb floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 11; [Pred. No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               P0748P3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 21;
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                                                                    Query Match 100.0%; Score 11; DB 5;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 11; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 100.0%; 9
Best Local Similarity 100.0%; 1
Matches 11; Conservative 0;
                                                                                                                                                   TELEPHONE: 415/225-5530
TELEPAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 13
SEQUENCE CHARACTERISTICS:
LENGTH: 21 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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SEQUENCE CHARACTERISTICS:
LENGTH: 21 bass
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Requence 13, Application PC/TUS9402233
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Generatech)
CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Genentech,
TITLE OF INVENTION: Px
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 21 bases
TYPE: NUCLEIC ACID
STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                       TORNEY/AGENT INFORMATION:
NAME: LOVE, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: 74
RECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                            ASSIFICATION:
)R APPLICATION DATA:
PLICATION NUMBER:
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                                 1 GCTCTAGAATG 11
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linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Prohormone Convertage Transformed Cells and Polypeptide Synthe
                                                                                                                                                                                                                                                                                                                             48P3PCT
                                                                                                   Length 21;
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                                                                    Gaps
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RESULT 10
US-08-330-123A-23
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U1, Wei Wei Song

APLICANT: Vannelll, Todd

APLICANT: Gatenby, Anthony

ITILE OF INVENTION: Bioproduction of para-Hydroxycinnamic Acid

FILE REFERENCE: BC1009 US NA

CURRENT APPLICATION NUMBER: US/09/627,216A

CURRENT FILING DATE: 2000-07-27

PRIOR APPLICATION NUMBER: 60/447,719

PRIOR FILING DATE: 1999-08-06

NUMBER OF SEQ ID NOS: 14

SOFTWARE: Microsoft Office 97

SEO ID NO 5

LENGTH: 22

TYPE: DNA

ORGANIC: 199
                                                                                                                                                                                       APPLICANT: Dale, James Langham
APPLICANT: Harding, Robert Maxwell
APPLICANT: Harding, Robert Maxwell
APPLICANT: Begdale, Benjamin
APPLICANT: Beetham, Peter Ronald
APPLICANT: Hafner, Gregory John
APPLICANT: Hefner, Gregory John
APPLICANT: Hefner, Douglas Kenneth
TITLE OF INVENTION: INTERCENIC REGIONS OF BANANA BUNCHY TOP VIRUS
FILE REFERENCE: 09657/002001
CURRENT APPLICATION NUMBER: US/08/973,068
CURRENT FILING DATE: 1998-03-12
EARLIER FILING DATE: 1998-05-31
NUMBER OF SEQ ID NOS: 61
SOFTWARE: FastSEQ for Windows Version 3.0
INVERSIONA
TYPE: DNA
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                                                                                                                                                    ; TYPE: DNA
; ORGANISM: Banana Bunchy Top Virus (BBTV)
US-08-973-068-46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 8
US-09-627-216A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 100.0%; Score 11; DB 4; Best Local Similarity 100.0%; Pred. No. 2.5e+0; Matches 11; Conservative 0; Mismatches
                                                                                           Query Match
Best Local
                       1 GCTCTAGAATG 11
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                                                                        Similarity 100
11; Conservative
GCTCTAGAATG 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Application US/08973068
                                                                           100.0%; Score 11; DB 3;
100.0%; Pred. No. 2.5e+02;
ive 0; Mismatches 0;
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2. 1ndels
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                                                                                                            Length 23
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Sequence 23, Application US/08330123A Patent No. 5583016

PPLICANT:

VILLEPONTEAU, Bryant

INFORMATION:

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US-08-480-604A-16
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -08-330-123A-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 27-OCT-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/272,102
PILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 15389-0008
                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                          tent No.
                                                                                                                                                                                         APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: FENG, Junli
APPLICANT: FUNK, Walter
APPLICANT: ANDREWS, William H.
TITLE OF INVENTION: HUMAN TELOMERASE
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: PatentIn Release #1.0, Version CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compati
                                                    NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: MEDIEN & CARROLL, LLP
STREET: 220 MONTGOMERY STREET, SUITE 2200
                                                                                                                              APPLICANT: STAFFORD, DOUGLAS C.
TITLE OF INVENTION: VACCINE AND ANTITOXIN FOR TREATMENT AND
TITLE OF INVENTION: PREVENTION OF C. DIFFICILE DISEASE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: 1: MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
TELEFAX: (415) 326-2422
                                                                                                                                                                                                                                                    APPLICANT: KINK, JOHN A
                                                                                                                                                                                                                                   APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
  COUNTRY:
                STATE: CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: Palo Alto
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                            5 GCTCTAGAATG 15
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                                      SAN FRANCISCO
                                                                                                                                                                                                                                                                                              5, Application US/08480604A
5736139
                                                                                                                                                                        : THALLEY, BAULEY, PADHYE, NISHA V.
TRCA, JOSEPH R.
TOTRICAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     26 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 379 Lytton Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            S
UNITED STATES OF AMERICA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           UMBER: US/08/330,123A
27-OCT-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 11; DB 1; 100.0%; Pred. No. 2.5e+02;
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COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk

COUNTRY: USA

California

94111-3834

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US-08-482-115B-23
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                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                   Patent No. 5776679
                                                                                                                                                                                                                                       Sequence 23,
                                                                                                                                                                   GENERAL INFORMATION:
APPLICANT: Villep
APPLICANT: Feng,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: (415) 397-833
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REGISTRATION NUMBER: 40,027
REFERENCE/DOCKET NUMBER: OPI
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US 07/985,321
FILING DATE: 04-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/429,791
FILING DATE: 31-OCT-1989
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US 08/161,907
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Patentin Rel
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 02-DEC-PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PTICING UNIT.

PRIOR APPLICATION DATA:

PRIOR APPLICATION NUMBER: US 08/329,154
                                                                 NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
                                                                                                                                     APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 07-JUN-:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                 TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA:
STREET: 'Iwo L.....
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US 0
FILING DATE: 25-OCT-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRANDEDNESS: 81
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 0 FILING DATE: 16-MAR-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                 ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                          11;
                                                                                                                                                                                                                                                                                                                                                            1 GCTCTAGAATG 11
                                                                                                                                                                                                                                                                                                                            GCTCTAGAATG 11
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                                                                                                                                                                                                                                       Application US/08482115B
                               E: Townsend and Townsend and Crew LLP Two Embarcadero Center, Eighth Ploor
                                                                                                                                                 Feng, Junli
Funk, Walter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (415) 397-8338
                                                                                                                               Andrews,
                                                                                                                                                                                   Villeponteau, Bryant
                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14-APR-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              02-DEC-1993
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     07-JUN-1995
                                                                                                 Assays for the RNA Component of Human Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 11; DB 1; 100.0%; Pred. No. 2.5e+02
                                                                                                                                     William H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US 08/405,496
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                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
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COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS

APPLICATION DATA

Release #1.0,

Version #1.30

US/08/482,115B - DOS/MS-DOS

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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          stent No. 5837857
SENERAL INFORMATION:
                                                                                       COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: PatentIn Release #1.0, Vere
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/660,678A
FILING DATE: 05-UN-1996
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 01
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 07-JUL-1994
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-OCT-1994
ATTORNEY/AGENT INFORMATION:
              CLASSIFICATION: 435
LIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 27-CCT-1994
NIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IOR APPLICATION DATA:
IOR APPLICATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: 1:
APPLICATION NUMBER: US 08/272,102
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5837857
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Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 11; I
nilarity 100.0%; Pred. No. 2.
Conservative 0; Mismatches
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ENTION: Mammalian Telomerase
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SEQUENCE CHARACTERISTICS:

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                                                                                                FILING DATE: 13-SEP-1996
CLASSIFICATION: 536
PRIOR APPLICATION DATA: US 08/583,808
FILING DATE: 05-JAN-1996
PRIOR APPLICATION DATA: US 60/003,492
FILING DATE: 08-SEP-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: Villep
                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELECOMMUNICATION
           NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 01:
BLECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-2200
                                                                                                                                                                                                                                     SOFTWARE: PATENTIN Release #1.0, IRRENT APPLICATION DATA: RAPLICATION NUMBER: US/08/710,249 FILING DATE: 13-SEP-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REGISTRATION NUMBER: 32
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                          MPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
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5858777
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ilarity 100.0%;
Conservative 0
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Andrews, ...
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576-0300
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     William H.
                                                                                                                                                                                                                                                                                          Release #1.0, Version #1.30
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                                                   015389-001220US
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Pred. No. 2.5e+02;
; Mismatches 0;
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Query Match Best Local S Matches .11

Similarity

100.0%; Score 11; DB 2; Length 26; ilarity 100.0%; Pred. No. 2.5e+02; Conservative 0; Mismatches 0; Indels

0

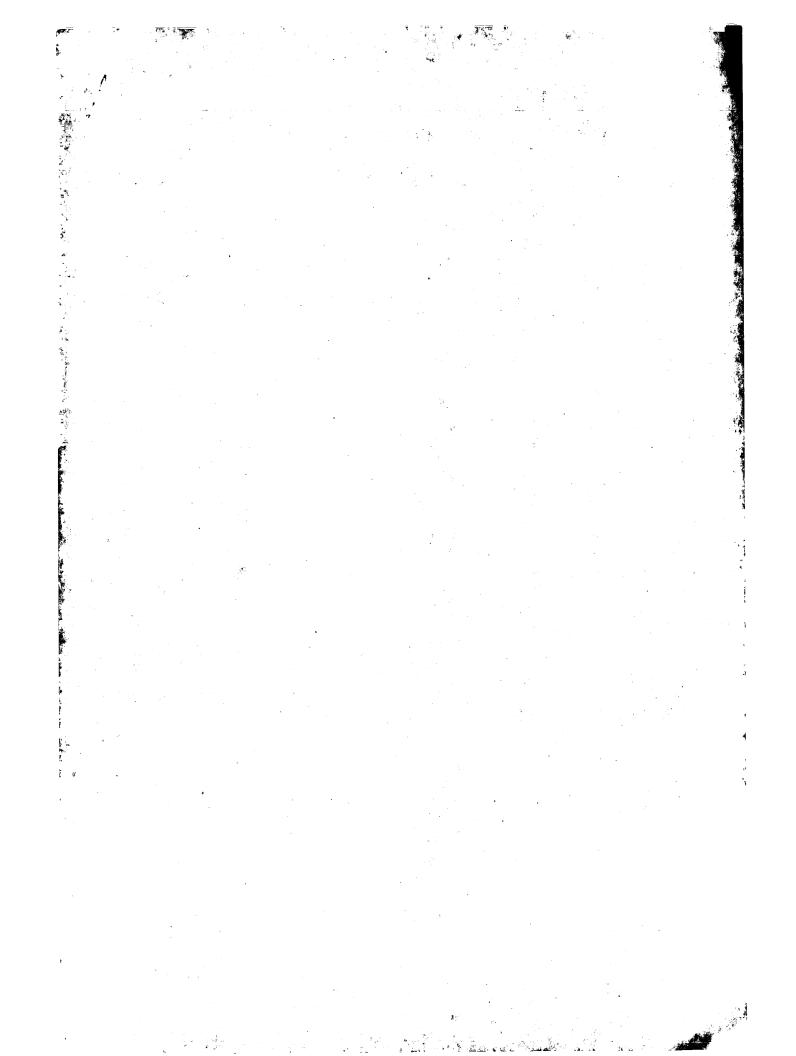
Gaps

0;

Job time : 17.2231 secs

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                                                                                                                                                                           US-08-485-778-19
                                                                                                                                                                                                                                         COUNTRY: US
ZIP: 02173
COMPUTER READABLE FORM:
MEDDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/08/485,778
FILING DATE: 07-JE-1995
CLASSIFICATION DATA:
APPLICATION UNMBER: US 08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/387,524
FILING DATE: 13-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/330,123
FILING DATE: 07-JUL-1994
PRIOR APPLICATION UNMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: US 08/272,102
FILING DATE: 07-JUL-1994
ATTORNEY/AGENT INFORMATION:
TRIEFPAX: 617-861-6240
TELEPAX: 617-861-6240
TELEPAX: 617-861-6240
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LERGTH: 26 base pairs
TYPER: NICHESTANES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-485-778-19
                                                                                    Query Match 100.0%; Score 11; DB 2; Length 26; Best Local Similarity 100.0%; Pred. No. 2.5e+02; Matches 11; Conservative 0; Mismatches 0; Indels
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CITY: Lexington
CTATE: MA
TIS
                                                                                                                                                                                  TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Marhuenda, Maria Antonia Blasco
APPLICANT: Villeponteau, Bryant
TITLE OF INVENTION: RAA COMPONENT OF TELOMERASE
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSES: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 GCTCTAGAATG 11
                                            1 GCTCTAGAATG 11
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5876979
GCTCTAGAATG 15
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Funk, Walter
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Avilion, Ariel Athena
                                                                                    0; Gaps
                                                                                    0;
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Search completed: June 23, 2003, 10:17:07



GenCore version 5.1.6 Copyright (c) 1993 - 2003 Compugen Ltd.

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Minimum DB seq length: 0 Maximum DB seq length: 50
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Word size
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Scoring table:
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Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Title:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Run on:
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Gapop 60.0 , Gapext 60.0
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SIDS2/gcgdata/geneseq/geneseqn-emb1/NA1981.DAT:*
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SIDS2/gcgdata/geneseq/geneseqn-emb1/NA2001.DAT:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           N_Geneseq_101002:*
/SIDS2/gcgdata/geneseq/geneseqn-embl/NA1980
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| 0 | ი 8 | 7 | σ | U | 4 | w | 2 | 1 | Result No. |
|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-----------------------|
| 11 | 11 | 11 | 11 | 11 | 11 | H | 11 | 11 | Score |
| 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | Query Match Length |
| 21 | 21 | 19 | 19 | 17 | 15 | 13 | 11 | 11 | |
| 14 | 14 | 22 | 19 | 22 | 19 | 23 | 23 | 19 | 1 |
| AAQ43257 | AAQ43258 | AAH43421 | AAV41176 | AAF57369 | AAV41177 | AAS15930 | AAS15929 | AAV41178 | I D |
| Sequence encoding | Sequence encoding | ISA3 reverse prime | RNA component of h | Murine Cdc25A intr | RNA component of h | Human telomerase p | Human telomerase p | RNA component of h | Description |

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WPI; 1998-377670/32.

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| Kealey | () () () () () () () () () () | (GERO-) | 20-DEC- | 19-DEC- | 02-JUL- | WO9828 | Synthe Homo | RNA component; neuroblastoma; contraception; immune system c | RNA co | 08-OCT-1998 | AAV41178 | AAV4117 | RESULT 1 AAV41178 | ** | 4.4 4.5 | 43 | 41 42 | 40 | 9 P | 37 | 35 | ω u. | 32 | 30 | 29 | 27 | 9 5 5 5 | 24 | 221 | 20 | 19 | 17 | 16 16 | 14 | 13 | 111 | 10 |
| -866 'I'r | . ` | | C-1996 C-1996 | 2-1997 | 1998 | 828442-A1 | thetic. o sapiens | component oblastoma raception ne system | component | r-199. | L78; | 178 st | | | 11 | : | 11 | 11 | 11 | 11 | :: | 11 | ::: | ::: | 11 11 | : 11 | 1 1 | # F | :::: | 11 | 11 | ::: | 11 | 11 | 11 | ::: | 11 |
| 3776 | | GERON | 2, 2, | 7; | | A1 . | • | ent; oma; ion; tem | | | | tand | | | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | \circ | 0 | \circ | | 100 |
| 377670/32. | | CORP. | 96US- | 97WO- | | | | human telomerase bladder cancer; sterilisation; i down-regulation; | of human | (first | | andard; D | | | | | | | | | • | | | | | | | | | | | • | | | | | 0 |
| Pruzan | , | | ·0770565 -0770564 | 7WO-US236 | | | | tel er ca lisa egula | an t | entry) | | DNA; | | | 30 | 30 | 29 | 29 | 2 2 2 3 | 28 | 27 | 27 | 27 | 26 | 26 | 200 | 2 6 | 26 6 | 000 | 9 6 | 26 | 26 | დ დ დ | 24 | 23 2 | 2 22 | 2 |
| | | | 565. 564. | 619. | | | | omera ancer tion, ation | telomera | 3 | | 11 BP | | | 19 | | | | | | | | | | | | | | | | | | | | | | |
| , t | | | | | | | | imm fimm fimm | erase | | | | | Αī | AAV6 AAV4 | AAT9 | AAH4 | AAC6 | AAAS | AAV5 | ABAS | AAV4 AAH2 | AATS | ABK4 | AAAC | ABKC | AAX7 | AAXS | AAV1 | AAT5 | AAT1 | AAT1 | AAZO AAT1 | AAF6 | AAT4 | EGAA | AA07 |
| weinrich SL, wu | | | * | | | | • | se; antisense oligonucleotide; colon cancer; prostate cancer immunosuppression; therapeutic anti-inflammatory therapy; ss | e (hTR) antisense | | | | | ALIGNMENTS | AAV41175 | 1844 | 15090 19026 | 6568 | 95720 14366 | 57587 | 95497 | 22533 | 97049 | 18024 | 38601 | 09963 | 77402 | 90788 . | 19489 | 58811 10567 | 11044 | 10299 |)8704 0304 | 3470 | 26921 19421 | 3073 | 11457 |
| بر بر | , | | | | | | | onuclostat ostat ; the y the | se oli | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | leotide; infection te cancer; cancer; erapeutic; hTR; erapy; ss. | ligo 21ab2. | | | | | | Antisense oligonuc RNA component of h | Human inhibite | Murine interleukin PCR primer, Pf83H. | Human FGFR-1 | B. subtilis ka | HET-A CDNA am | Human telomer | RBDV movement | Sense primer for h | Human telomera | PCR primer #4 | Novel recombin | Human telomera | Human telomera | Human hTR gene | Human telomerase P | Primer for product | RNA component | Human telomerase | | knodosporidium Banana bunchy t | Phenylalanine ammo | Rx 2.4 prorela |

SM,

Pruzan

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Sequences shown in AAV41169 to AAV41181 represent antisense
CC oligonucleotides to the RNA component of human telomerase (hTR). These
CC antisense oligonucleotides specifically hybridise to a nucleotide
cc hybridise to a sequence within the template region of hTR. These
CC hybridise to a sequence within the template region of hTR. These
CC component of human telomerase in a sample. This is useful for diagnosing
CC cancer (especially neuroblastoma, bladder, colon and prostate cancer),
CC and providing prognosis for a cancer patient. The inhibitory
CC oligonucleotides can inhibit the telomerase activity level in a cell by
CC oligonucleotides can inhibit the telomerase activity level in a cell by
CC oligonucleotides can inhibit the telomerase activity assembly
CC of the RNA component into the telomerase holoenzyme, or inhibiting assembly
CC of the RNA component into the telomerase holoenzyme, or inhibiting assembly
CC objymerase activity of telomerase activity in both cultured cells and in
CC cells in vivo. They can be used in therapeutics for treating or
CC immunosuppression, and for selectively down-regulating specific branches
CC of the immune system, e.g. a specific subset of T-cells, in
CC anti-inflammatory therapies or for treating infections by, e.g. yeast,
CC anti-inflammatory therapies or for treating infections by, e.g. yeast,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local :
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                                                                                                                                                                                                                       Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New polynucleotide(s) anti:sense to human telomerase - used detecting or inhibiting human telomerase, e.g. for treating contraception, immuno-suppression or treating infection
                                                                                                                                                                                                                                                                        Human; telomerase; hTR; cytostatic; anti-inflammatory; adenocarcinoma; breast; prostate; colon; mixed cell leukaemia; Hodgkin's disease; fertility; inflammatory condition; tumour; cancer; veterinary; immunosuppression; telomerase inhibitor; ss.
                                                                                                                                                                                       Key
modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 11 BP; 3 A; 2 C; 3 G; 3 T; 0 other;
(GERO-) GERON CORP
                                31-MAR-2000; 2000US-0540119
                                                                                         11-OCT-2001.
                                                                                                                   WO200174136-A2
                                                                                                                                                                                                                                                                                                                                                 Human telomerase polynucleotide inhibitor #10.
                                                                                                                                                                                                                                                                                                                                                                                                          AAS15929;
                                                                                                                                                                                                                                                                                                                                                                                                                                    AAS15929 standard; DNA; 11 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   parasites or fungi.
                                                           30-MAR-2001; 2001WO-US10476.
                                                                                                                                                                                                                                                                                                                                                                            27-FEB-2002
                                                                                                                                                                                                                                                  sapiens
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                                                                                                                                                                                          Location/Qualifiers
1..11
                                                                                                                                          /mod_base= OTHER
/note= "N3'-P5' phosphoramidate linkages"
                                                                                                                                                                          /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 11; DB 19; 100.0%; Pred. No. 1.2e+03; ive 0; Mismatches 0;
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                   31-MAR-2000;
                                            30-MAR-2001; 2001WO-US10476
                                                                           11-OCT-2001.
                                                                                                      WO200174136-A2
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The invention relates to polynucleotide inhibitors (I) and methods for CC inhibiting telomerase activity. (I) are useful in inhibiting telomerase activity and proliferation of a telomerase positive cell, and in CC manufacturing a medicament for inhibiting telomerase activity in a cell CC adenocarcinoma of breast, prostate or colon, mixed cell leukaemia, CC adenocarcinoma of breast, prostate or colon, mixed cell leukaemia, CC disease, fertility and inflammatory conditions. (I) are also CC useful in treating a tumour or in manufacturing a medicament for the CC diseases of cettility and inflammatory conditions. (I) are also CC diseases of treatment of tumour. The polynucleotide inhibitors may also be used in CC diseases are inhibitors of telomerase activity in cells in vivo is useful in prophylactic and therapeutic conditions of treating cancer and other disorders involving inappropriate CC expression of telomerase, and in treating veterinary proliferative CC diseases. Inhibition of telomerase in haematopoletic stem cells is useful CC branches of the immune system. The present sequence represents the cCC branches of the immune system. The present sequence represents the cCC method of the invention.
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Best Local :
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                                                                                                                                                                     Homo sapiens.
Synthetic.
                                                                                                                                                                                                                                                 Human; telomerase; hTR; cytostatic; anti-inflammatory; adenocarcinoma; breast; prostate; colon; mixed cell leukaemia; Hodgkin's disease; fertility; inflammatory condition; tumour; cancer; veterinary; immunosuppression; telomerase inhibitor; ss.
                                                                                  modified_base
                                                                                                                                                                                                                                                                                                                                                                                          Human telomerase polynucleotide inhibitor #11.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAS15930 standard;
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11; Conservat
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                                                                                  Location/Qualifiers
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   base= OTHER
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Pred. No.
phosphoramidate linkages"
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2000US-0540119

(GERO-) GERON

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RESULT 4
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ID AAVA
XX AAVA
AC AAVA
AC AAVA
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CONT OB-O
XX RNA
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Best Local S
Matches 11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New polynucleotide useful for inhibiting telomerase activity in cells, or for treating telomerase-mediated condition or disease, such as cancers, tumours, Hodgkin's disease, or inflammatory conditions -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to polynucleotide inhibitors (I) and methods for inhibiting telomerase activity. (I) are useful in inhibiting telomerase activity and proliferation of a telomerase positive cell, and in manufacturing a medicament for inhibiting telomerase activity in a cell
                                                                                                                                                                                                                                                                                                                                                                                                                                      AAV41177;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAV41177 standard; DNA; 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      for immunosuppression and for selectively down-regulating specific branches of the immune system. The present sequence represents human telomerase polynucleotide inhibitor #11, as described in the
                                                                                   20-DEC-1996;
20-DEC-1996;
                                                                                                                                                                                                   WO9828442-A1
                                                                                                                                                                                                                                                       Synthetic.
                                                                                                                                                                                                                                                                                                                  RNA component; neuroblastoma;
                                                                                                                                                                                                                                                                                                                                                                    RNA component of human telomerase (hTR) antisense oligo 21ab3.
                                                                                                                                                                                                                                                                                                                                                                                                       08-OCT-1998
                   Kealey JT,
                                                                                                                                   19-DEC-1997;
                                                                                                                                                                    02-JUL-1998
                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                                                      contraception;
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                                                   (GERO-) GERON CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           of the invention.
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                   Kia
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                                                                                                                                                                                                                                                                                 human telomerase; antisense oligonucleotide; infection; bladder cancer; colon cancer; prostate cancer; cancer; sterilisation; immunosuppression; therapeutic; hTR; down-regulation; anti-inflammatory therapy; ss.
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                                                                                 96US-0770565.
96US-0770564.
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                   Pruzan
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                   Weinrich
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RESULT 5
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CC oligonuclectides to the RNA component of human telomerase (hTR). These
CC antisense oligonuclectides specifically hybridise to a nucleotide
CC sequence within an accessible region of the hTR, but that does not
CC hybridise to a sequence within the template region of hTR. These
CC oligonuclectides may specifically be used for detection of an RNA
CC component of human telomerase in a sample. This is useful for diagnosing
CC cancer (especially neuroblastoma, bladder, colon and prostate cancer),
CC and providing prognosis for a cancer patient. The inhibitory
CC oligonuclectides can inhibit the telomerase activity level in a cell by
CC interfering with transcription of the RNA component, decreasing the
CC half-life of the telomerase RNA component transcript, inhibiting assembly
CC of the RNA component into the telomerase holoenzyme, or inhibiting the
CC plymerase activity of telomerase activity in both cultured cells and in
CC cells in vivo. They can be used in therapeutics for treating or
CC immunosuppression, and for selectively down-regulating specific branches
CC of the immune system, e.g. a specific subset of T-cells, in
CC canti-inflammatory therapies or for treating infections by, e.g. yeast,
CC canti-inflammatory therapies or for treating infections by, e.g. yeast,
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                                                                WPI; 2001-244825/25.
                                                                                                                                                                                                                                         22-MAR-2001.
                                                                                                                                                                                                                                                                                                                                                          Cdc25; Cdc25 phosphatase; transcription; modulator; murine; CDc25A;
                                                                                                                                                                                                                                                                                                                                                                                          Murine Cdc25A intron 7/exon 8 splice junction sequence
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                                                                                                                                                                   13-SEP-1999;
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                                                                                                                                                                                                                                                                       WO200120034-A2
                                                                                                                                                                                                                                                                                                                                            exon; intron;
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                                                                                                                                                                   9908-0153639
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Mismatches · 0;
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Assay for screening modulators of Cdc25 activity by using a cell a recombinant Cdc25 phosphatase gene whose expression alters the transcription of a selected gene in the presence of a modulator

a cell having

Example

1; Page 15;

; qq25

English

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RESULT 6
ANV4116
ID AAV4
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Matches 11
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                              Sequences shown in ANV41169 to ANV41181 represent antisense oligonucleotides to the RNA component of human telomerase (hTR). These antisense oligonucleotides specifically hybridise to a nucleotide sequence within an accessible region of the hTR, but that does not hybridise to a sequence within the template region of hTR. These oligonucleotides may specifically be used for detection of an RNA component of human telomerase in a sample. This is useful for diagnosing cancer (especially neuroblastoma, bladder, colon and prostate cancer), and providing prognosis for a cancer patient. The inhibitory
and providing prognosis for a car
pligonucleotides can inhibit the
                                                                                                                                                                                                                                                                                                                                                Claim 11; Page 65; 80pp;
                                                                                                                                                                                                                                                                                                                                                                                                       New polynucleotide(s) anti:sense to human telomerase - used detecting or inhibiting human telomerase, e.g. for treating contraception, immuno-suppression or treating infection
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20-DEC-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RNA component; neuroblastoma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      08-OCT-1998
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kealey JT, Kim NW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19-DEC-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1998-377670/32.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BP; 4 A;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 human telomerase; antisense oligonucleotide; infection; bladder cancer; colon cancer; prostate cancer; cancer; sterilisation; immunosuppression; therapeutic; hTR; down-regulation; anti-inflammatory therapy; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            얁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  96US-0770565
96US-0770564
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        human telomerase (hTR) antisense oligo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%;
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                                                                                                                                                                                                                                                                                                                                                English.
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Pred. No. 1.2e+03;
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          telomerase activity level in a cell by
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Query Match Best Local

Similarity

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Score 11; DB 22; Pred. No. 1.2e+03;

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Best Local S
Matches 11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           European; infectious Salmon anaemia; virus; ISAV; nucleoprotein; vaccine; polymerase chain reaction; PCR; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ISA3
                                                                            The sequences given in AAH43407-21 are primers which were used in the amplification and cloning of the cDNA encoding the european infectious Salmon anaemia (ISA) antigen polypeptide. The antigen is cloned from RNA segment 3 of ISA virus (ISAV) and is believed to be a major cell culture antigen of the virus, which may be a nucleoprotein. The ISA antigen, or a fragment of it, may be used to vaccinate fish against ISAV infection. It may also be used to screen fish for ISA
                                                                                                                                                                                                                                                                                                                                                       Vaccinating fish against using European ISA virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  08-MAR-2000; 2000GB-0005457
14-MAR-2000; 2000GB-0005960
01-DEC-2000; 2000GB-0029409
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 parasites or fungi.
                                                                                                                                                                                                                                                                                               Claim 34; Page 34; 41pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2001-589927/66.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (UYAB-)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Labus
                                                                                                                                                                                                                                                                                                                                                    Infectious Salmon Anemia (ISA) virus infection antigen polypeptides -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 11; DB 19;
Pred. No. 1.2e+03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ISA; antigen; RNF fish; infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .2e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 19;
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RESULT 9
AAQ43257/c
ID AAQ432:
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AAQ43258/c
                                                                                                                                                  Query Match
Best Local (
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                                                                                                                                     Matches
                                                                                                                                                                                                                          The inventors describe the production of mammalian cells expressing prohormone convertase which facilitates the processing of prohormone precursors to active hormones. More specifically the cleavage site is the prohormone convertase cleavage site given in AAR37633-35. In order to define murine prohormone convertase 1 specifically prorelaxin alanine mutations of the basic residues K and R were constructed. The following mutations were tested for substrate specificity to murine prohomone convertase: 1.4, 2.4, 3.2, 4.3,
                                                                                                                                                                                                                   specificity 7.2 and 8.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CDS
               AAQ43257 standard; DNA;
                                                                                                                                                                                         Sequence
                                                                                                                                                                                                                                                                                                                                                                                             Heterologous polypeptide factor prepn. - by introducing into polypeptide factor dependent host cell nucleic acid, and then
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 06-DEC-1991;
22-MAY-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence encoding the C-chain/A-chain junction prorelaxin (Rx) mutant Rx 2.4 at the prohormone convertase cleavage site.
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                                                                                                                                                                                                                                                                                                                                                     Example; Page 54; 134pp; English
                                                                                                                                                                                                                                                                                                                                                                                culturing host cell, etc
                                                                                                                                                                                                                                                                                                                                                                                                                                       P-PSDB;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gorman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        04-DEC-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10-JUN-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO9311247-A.
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                                                                                                                                                  Similarity
                                                                                               GCTCTAGAATG 11
                                                                                                                                                                                        21 BP; 10 A; 4 C; 4 G; 3 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               standard;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       convertase; enzyme; cleavage; prorelaxin; hormone;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                              to murine prohomone convertase: 1.4, (see AAQ43256-63; AAR37619-26).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Groskreutz
                                                                                                                                    Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  91US-0803631.
92US-0887265.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        92WO-US10621
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Marriott D;
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                                                                                                                                                  Pred.
                                                                                                                                                             Score 11;
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                                                                                                                                                  No.
                                                                                                                                               1.2e+03;
                                                                                                                                                              DB 14;
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                                                                                                                                                          Length 21;
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AAQ71457/c
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                                                                                                                                                                                                                                                                                   Query Match
Best Local S
Matches 11
                                                                                                                                                                                                                                                                                                                                                              The inventors describe the production of mammalian cells expressing prohormone convertase which facilitates the processing of prohormone precursors to active hormones. More specifically the cleavage site is the prohormone convertase cleavage site given in ARR37632-35. In order to define murine prohormone convertase 1 specifically prorelaxin alanine mutations of the basic residues K and R were constructed. The following mutations were tested for substrate specificity to murine prohomone convertase: 1.4, 2.4, 3.2, 4.3, 7.2 and 8.6 (see AAQ43256-63; AAR37619-26).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Heterologous polypeptide factor prepn. polypeptide factor dependent host cell culturing host cell, etc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CDS
                                                                          Rx 2.4 prorelaxin C/A chain junction mutant cleavage site.
                                                                                                                                                                                                                                                                                                                                       Sequence 21 BP; 10 A; 4 C; 4 G; 3 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  06-DEC-1991;
22-MAY-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  mutant Rx 1.4 at the prohormone convertase cleavage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAQ43257;
            Synthetic
                                                    prohormone;
                                                                                                         26-APR-1995
                                                                                                                                    AAQ71457;
                                                                                                                                                            AAQ71457 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example; Page 54; 134pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gorman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           04-DEC-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10-JUN-1993.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Prohormone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence encoding the C-chain/A-chain junction prorelaxin
                                       precursors;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH
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                                                                                                                                                                                                                                                         1 GCTCTAGAATG 11
                                                                                                                                                                                                                                                                                   11;
                                                                                                                                                                                                                                                                                                 Similarity
                                                                                                                                                                                                                                 GCTCTAGAATG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       convertase; enzyme; cleavage; prorelaxin; hormone; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Groskreutz
                                       transgenic;
                                                  convertase;
                                                                                                                                                                                                                                                                                     Conservative
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92US-0887265
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1..21
/*tag= a
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                                                                                                        entry)
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                                       insulin; proinsulin; factor; growth;
mammal; prorelaxin; cleavage; ss.
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                                                                                                                                                                                                                                                                                                 .0%;
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Pred. No. 1.2e+03;
                                                                                                                                                                                                                                                                                     Mismatches

    by introducing into
nucleic acid, and then

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RESULT 11
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Best Local S
Matches 11
(DUPO )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A series of natural or mutated cDNAs for the prohormone convertase (PC) cleavage sites in human proralaxin protein between the C and A chains (AAQ71455-59 corresponding to AAR60583-7) or in the B and C chains contain two dibasic residues, Lys-Arg, both of which are required for cleavage. The mutant sites have replacements of either residues with an Ala. This confers specificity to murine PCl. In this particular mutant, the Lys residue such that Relaxin is an ovarian hormonal peptide responsible for remodelling the reproductive tract prior to parturition. The cells containing both the prohormone convertase gene and the required precursor to be expressed can be injected into a mammal.
                                                                                                                                                                                                                                                                                                                                                                    Para-hydroxycinnamic acid; PHCA; food packaging; electronic connector; phenylalanine ammonia lyase; PAL; glucose; tyrosine ammonia lyase; TAL; cytochrome p-450 cytochrome p-450 reductase; liquid crystal polymer; LCP; telecommunication; medical device; aerospace application; biocatalyst; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Treating insulin-dependent disorders in mammals - a nucleic acid encoding a variant proinsulin into with a constitutive pathway of protein secretion, and introducing the cell or plasmid to the mammal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Phenylalanine ammonia lyase (PAL) gene amplifying forward PCR primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01-JUL-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAD33073 standard; DNA; 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 3; Page 52; 117pp; English.
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                                                                              27-JUL-2000; 2000US-0627216.
                                                                                                                                       23-JAN-2001; 2001WO-US02099
                                                                                                                                                                                                                                                       WO200210407-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1994-303031/37.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        " 100.0%;
Similarity 100.0%;
L1; Conservative 0,
                       밍
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GCTCTAGAATG 11
                       PONT DE NEMOURS & CO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BP; 10 A; 4 C; 4 G; 3 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
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Pred. No. 1.2e+03;

    by introducing
o a host cell
, or a plasmid,

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 21;
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The invention relates to methods for biological production of para-
CC hydroxycinnamic acid (PRGA). The invention relates to developing of a new
CC biocatelyst for conversion of glucose to PHCA by incorporation of the
CC wildtype phenylalanine ammonia lyase (PAL) EC 4.3.1.5) from the yeast
Rhodotorula glutinis into Bscherichia coli underlying the ability of the
CC wildtype PAL to convert tyrosine to PHCA. The invention is also directed
CC unidtype PAL to convert tyrosine to PHCA. The invention is also directed
CC incorporation of the wildtype PAL which possesses enhanced tyrosine
CC incorporation of the wildtype PAL which possesses enhanced tyrosine
CC plant cytochrome p-450 and the cytochrome p-450 reductase into E. coli.
CC Nucleic acid encoding mutant TAL enzyme is useful for producing PHCA by
CC recombinant techniques. The recombinantly produced PHCA may be used as a
CC in elsetronic connectors and telecommunication and aerospace
CC in elsetronic connectors and telecommunication and aerospace
CC applications. LCP resistance to sterilising radiation has also enabled
CC these materials to be used in medical devices as well as chemical, and
CC cod packaging applications. The present sequence is a PCR primer used
CC to amplify PAL gene.
                         Query Match
Best Local S
Matches 11
                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 9; Page 51; 139pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel nucleic acid encoding truncated mutant tyrosine ammonia lyase (TAL) polypeptide, or mutant TAL polypeptide, useful for producing parahydroxycinnamic acid in recombinant host cell lacking cinnamate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gatenby AA,
Local 5 11;
                                                          Similarity
                                                                                                                                                              22 BP; 5 A; 7 C; 5 G; 5 T; 0 other;
                    100.0%; Score 11; DB 24; ilarity 100.0%; Pred. No. 1.2e+03 Conservative 0; Mismatches 0
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                         .2e+03;
8 0;
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                                                                                   Length 22;
                             Indels
                         0
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Phenylalanine ammonia-lyase; PAL; enzyme; cinnamate; food packing; PHCA; para-hydroxycinnamic acid; tyrosine ammonia-lyase; TAL; medical device; Liquid Crystal Polymer; LCP; electronic connector; telecommunication; aerospace application; chemical; red yeast; PCR primer; ss.
                                                                  06-AUG-1999;
                                                                                     03-AUG-2000;
                                                                                                                           WO200111071-A2
                                                                                                                                            Rhodosporidium toruloides.
                                                                                                                                                                                                              Rhodosporidium toruloides PAL gene amplifying PCR primer A.
                                                                                                                                                                                                                                  09-APR-2002
                                                                                                                                                                                                                                                                       AAD26921 standard; DNA;
                                               (DUPO)
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                           Vannelli TM,
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                                              PONT DE NEMOURS & CO E I.
                                                                                     2000WO-US21156:
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RESULT 13
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Matches 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ammonia-lyase (PAL) route or by generating a new biocatalyst possessing enhanced tyrosine ammonia-lyase (TAL) activity. The method is useful for the biological production of PHCR which is useful as a monomer for the production of Liquid Crystal Polymers (LCP), where the LCP is used in electronic connectors, teleccommunications and aerospace applications. LCP is also useful in medical devices, as well as chemical, and food packing applications due to its resistance to sterilising radiation. The present sequence is a PCR primer used for amplifying red yeast
                                                                                                                                               DNA from intergenic region of banana bunchy top virus DNA component - useful for promoting, enhancing, regulating or modifying transcription of a non-BBTV gene in transgenic plants
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Producing para-hydroxycinnamic acid for producing liquid crystal polymer, comprises converting cinnamate to PHCA, glucose to PHCA by phenyl ammonia-lyase route, or generating a biocatalyst with tyrosine
                                                                                                                                                                                                                                                       Becker DK,
Harding RM;
                                                                                                                                                                                                                                                                                                                                                                        31-MAY-1996;
                                                                                                                                                                                                                                                                                                                                                                                                           05-DEC-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                           WO9638554-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Banana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Banana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAT49421 standard; DNA; 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to a method for producing para-hydroxycinnamic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 9; Page 45; 75pp; English
   cloned
                   XbaI and BamHI fragment
                                   nucleic extract.
                                                                                  PCR primers BT4.1 (+662) (AAT49421) and BT4.2 (+278) (AAT49422) were
                                                                                                                   Example 2; Page
                                                                                                                                                                                                                     WPI; 1997-034368/03
                                                                                                                                                                                                                                                                                                      (UYQU-) UNIV QUEENSLAND TECHNOLOGY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      converting glucose to phenylalanine to PHCA through the phenyl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           acid (PHCA).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ammonia-lyase activity
                                                      (BBTV)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (Rhodosporidium toruloides)
               to amplify the intergenic region of banana bunchy top virus V) DNA component 4 (see also AAT49388) from BBTV infected banana eic extract. The 659 bp intergenic region was subbloned as a and BamHI fragment into pGEM3zf+ (pGEM4.1). It was then
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          bunchy top virus; BBTV;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             bunchy
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   pGEM4.1 as a XbaI and
                                                                                                                                                                                                                                                                        Beetham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             top virus
                                                                                                                                                                                                                                                                                                                                       95AU-0003285
                                                                                                                                                                                                                                                                                                                                                                        96WO-AU00335
                                                                                                                 22; 80pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            polymerase
                                                                                                                                                                                                                                                                        PR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     7 C; 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       comprises converting cinnamate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DNA component 4 promoter PCR primer
                                                                                                                                                                                                                                                                     Dale JL,
                                                                                                                 English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            V; intergenic region;
chain reaction; PCR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 11; DB 24;
Pred. No. 1.2e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5 T; 0 other;
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BamHI fragment into pBI101.3
                                                                                                                                                                                                                                                                     Dugdale
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1.2e+03;
                                                                                                                                                                                                                                                                     В,
                                                                                                                                                                                                                                                                      Hafner
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 22;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          promoter;
primer; s
                                                                                                                                                                                                                                                                      নূ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         to PHCA by
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RESULT 15 AAZ08704 ID AAZ08

AAZ08704 standard;

DNA;

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RESULT 14
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                                                                                                         The present invention relates to a method for cloning a gene. The method comprises employing a replication-deficient baculovirus vector and a rescue vector, and causing the vectors to recombine to produce a replication-enabled baculovirus vector having at least one gene to be cloned. The present sequence is an oligonucleotide used in the present invention. The method of the present invention is especially useful for expressing thousands of genes in alternative hosts (e.g. insect cells) derive sufficient material for determining protein function.
                                                                                                                                                                                                                                  Method for cloning a gene, especially useful for expressing thousands of genes in alternative hosts, comprises employing a replication-deficient baculovirus vector and a rescue vector and causing the vectors to recombine
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                                                                                      Sequence 24 BP; 6 A; 6 C; 7 G; 5 T; 0 other;
                                                                                                                                                                                                            Disclosure; Page 14; 54pp; English.
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20-OCT-1999 (first entry)

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Search completed: June 23, 2003, 05:43:39 Job time: 73.4073 secs
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                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 25 BP; 7 A; 3 C; 9 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Detecting telomerase activity in non-cellular body fluid using modified telomeric repeat amplification protocol
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4 GCTCTAGAATG 14
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score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| RESULT 1 ARO63835 LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM REFERENCE AUTHORS TITLE JOHNNAL FEATURES | C C 222 222 222 222 222 222 222 222 222 | C C 5 5 4 4 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | Result No. |
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| 11 from p 11 from p 11 GI:599 5.1 GI:599 0. Wu,F., 1 to 11) 0. Wu,F., for detect US 5846723 Location/ | | | ry ch Length D |
| atent US 584 3143 3143 Kealey,J.T. ing the RWA -A 11 08-DEC Qualifiers | 6 AR0759216 6 AR169136 6 AR179447 6 AR179447 6 AR202623 6 AX033377 6 AX0363377 6 AX0363377 6 AX0363377 6 AX168455 6 BD011297 6 BA7011297 6 AX175106 6 AX175102 6 AX175103 6 AX175103 6 AX175104 6 AX175105 6 AX175105 6 AX175104 6 AX175105 6 AX175105 6 AX175106 6 AX17 | ARC | BID |
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1 Similarity 100.0%; Pred. No 1e+04;
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1 (bases 1 to 15)

1 (bases 1 to 15)

Kim, N. Woo., Wu, F., Kealey, J.T., Pruzan, R. and Weinrich Kim, N. Woo., Wu, F., Kealey, J.T., Pruzan, R. and Weinrich Kim, N. Woo., Wu, F., Kealey, J.T., Pruzan, R. and Weinrich Kim, N. Woo., Wu, F., Kealey, J.T., Pruzan, R. and Weinrich Kim, N. Woo., Weinrich Kim, N. G., Pruzan, R. and Weinrich Kim, N. G., Weinrich Ki
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Sequence 17 from Patent W00120034.
AX099957
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Methods and compositions for the screening
Patent: WO 0120034-A 17 22-WAR-2001;
BASF AKTIENGESELLSCHAFT (DE)
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Mammalia; Eutheria; Rodentia;
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/organism="unknown"
A 2 c 3 g
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                                                                                                                                                                                                                                                                                                                   /organism="Mus musculus"
/db_xref="taxon:10090"
3 c 4 g
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3 c 4 g
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                                                                                                                                           Score 11; DB 6; Length 17; Pred. No. 1e+04; ; Mismatches 0; Indels
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5 5846723.
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Sciurognathi; Muridae;
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RESULT 4
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JOURNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PI CALVIN B HARLEY, WILLIAM H ANDREWS
PC A61X38/00, A61X31/7088, A61X39/00, A61X48/00, A61P35/00, A61P43/
PC C07X5/10,
PC C07X5/10,
PC C07X5/107, C07X5/117, C07X7/06, C07X7/08, C07X16/40, C12N9/12, F
C12N15/09,
PC C12Q1/02, C12Q1/48, C12Q1/68, G01N33/15, G01N33/50, G01N33/53, F
G01N33/53, F
G01N33/566, G01N33/573//C12P21/08, A61X37/02, C12N15/00 CC
Strandedness: Single;
CC Topology: Linear;
CC Topology: Linear;
FT Key
FT SOUTCE
1. 18
FT Jorganism='Unidentified'.
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PN JP 2001081042-A/201

PN JP 2001081042-A/201

PD 27-MAR-2001

PF 27-JUL-2000 JP 2000227474

08/854050,14-AUG-1997 US 08/851843 PR

109-MAY-1997 US 08/854050,14-AUG-1997 US 08/911312 PR

14-AUG-1997 US 08/912951,14-AUG-1997 US 08/915503 PI

14-AUG-1997 US 08/912951,14-AUG-1997 US 08/91503 PI

R SECHI,JOACHIM LINGNER,TORU NAKAMURA, KAREN B CHAPMAN, PI (
unclassified.

1 (bases 1 to 18)

1 (bases 1 to 18)

Thomas, R.S., Jochimu, R., Toru, N., Karen, B.C.
Calvin, B.H. and William, H.A.
Human telomerase catalytic subunit promoter
Patent: JP 1995253177-A 201 21-SEP-1999;
JERON CORP, UNIVERSITY TECHNOLOGY CORP
                                                                                                                                                                            E36993.1 GI:13022956
JP 1999253177-A/201.
                                                                                                                                                                                                                                                                                                                                                                             1 GCTCTAGAATG 11
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Sechi,T.R., Lingner,J., Nakamura,T., Chay
Harley,C.B. and Andrews,W.H.
Human telomerase catalytic subunit
Patent: JP 2001081042-A 201 27-MAR-2001;
GERON CORP, UNIVERSITY TECHNOLOGY CORP
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JP 2001081042-A/201.
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A61K38/00, A61K31/7088, A61K39/00, A61K48/00, A61P35/00, A61P43/00,
C07K5/10,
C07K5/107, C07K5/117, C07K7/06, C07K7/08, C07K16/40, C12N9/12, PC
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /organism="unidentified"
/db_xref="taxon:32644"
2 c 7 g
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REFERENCE
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AX244257
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Best Local S
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PN JP 1999253177-A/201
PD 21-SEP-1999
PD 15-OCT-1998 JP 1998320169
PR 01-OCT-1996 US 08/724.643,18-APR-1997 US 08/844.419, PR 15-OCT-1996 US 08/846.017,06-MAY-1997 US 08/851.843, PR 09-MAY-1997 US 08/846.051,14-AUG-1997 US 08/915.503 PI THOW RECHI, JOCHIMU RINGNER, TORU NAKAMURA, KAREN B CHAPMAN, PI GREG MORIN,
PI CALVIN B HAREI, WILLIAM H ANDREWS
PC C1201/02,
PC C1201/02,
PC C1201/048,C1201/68,G01N33/15,G01N33/48,G01N33/50//C07K14/47,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PC C12N1/19,C12N1/21,
C12R1:84),
PC (C12N1/21,C12R1:15
PC (C12N9/12,C12R1:91
Strandedness: Single;
CC Topology: Linear;
FH Key I.
                                                                                                                                                                                                                                                                                                                                                               Sequence
AR063833
AX244257
Sequence
                                                                                                                                                                                                                       1 (bases 1 to 19)
Kim,N.Woo., Wu,F., Kealey,J.T., Pruzan,R. and Weinrich,S.L.
Methods for detecting the RNA component of telomerase
Patent: US 5846723-A 9 08-DEC-1998;
Location/Qualifiers
1. .19 .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 GCTCTAGAATG
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C12N15/09, A61K31/70, A61K38/55, A61K39/395, A61K39/395, A61K48/00,
                                                                                                                              Conservative
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/db_xref="taxon:32644"
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GREG B
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ORGANISM
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AR205029
LOCUS
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ACCESSION
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AR193717
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Gorman, C.M. and Groskreutz, D.J.
Non-endocrine animal host cells capable of
proinsulin and processing the same to form
and methods of culturing such cells
Patent: US 6348327-A 13 19-FEB-2002;
Location/Qualifiers
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1 (bases 1 to 19)
Melvin, W.T., Breeman, S. and Labus, M.B.
Viral antigen and vaccine against isav
1 (bases 1 to 22)
Gatenby, A.A., Sariaslani, S., Tang, X.-S., Qi, W.Wei.
Bioproduction of para-hydroxycinnamic acid
                                                                                                                                                                                                                                                                                                                                                                                                      Unknown
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The University Court of The University
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Best Local Similarity
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Bioproduction of para-hydroxycinnamic acid
Patent: WO 0210407-A 5 07-FEB-2002,
E.I. DUPONT DE NEMOURS AND COMPANY (US)
Location/Qualifiers
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artificial sequences.
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Sequence 5 from Patent WO0210407.
AX370655
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1 (bases 1 to 22)
Tang,X.S., Vannelli,T.M., Qi,W.W., Sariaslani,S. and Bioproduction of para-hydroxycinnamic acid Bioproduction of para-hydroxycinnamic acid Patent: WO 0111071-A 5 15-FEB-2001;
E.I. DU DE NEWOURS & COMPANY INCORPORATED (US)
Location/Qualifiers
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synthetic construct
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Sequence 5 from Patent WO0111071.
AX082540 GI:13184654
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7 c 5 g
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Location/Qualifiers
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RESULT 12
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AX085592
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Sequence 46
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1 (bases 1 to 23)
Dale, J.Langham., Harding, R.Maxwell., Dugdale, B., Hafner, G.John. and Becker, D.Kenneth.
Intergenic regions of banana bunchy top virus
Patent: US 6127604-A 46 03-OCT-2000;
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Sequence 5 from Patent WO0112829.
AX085592
AX085592,1 GI:13275601
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Replication deficient beculovirus expression
Patent: WO 0112829-A 5 22-FEB-2001;
OXFORD BROOKES UNIVERSITY (GB); NATURAL ENVI
                                                                                                                                                                                                                                   unidentified baculovirus.
unidentified baculovirus
Viruses, daBNA viruses, no RNA stage; Baculoviridae
1 (bases 1 to 24)
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Similarity 100.0%;
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GCTCTAGAATG 13
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                                                                                                          /organism="unidentified baculovirus"
/db_xref="taxon:10469"
6 c 7 g 5 t
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A94988 Sequence 2

26 bp from Patent EP0926245.

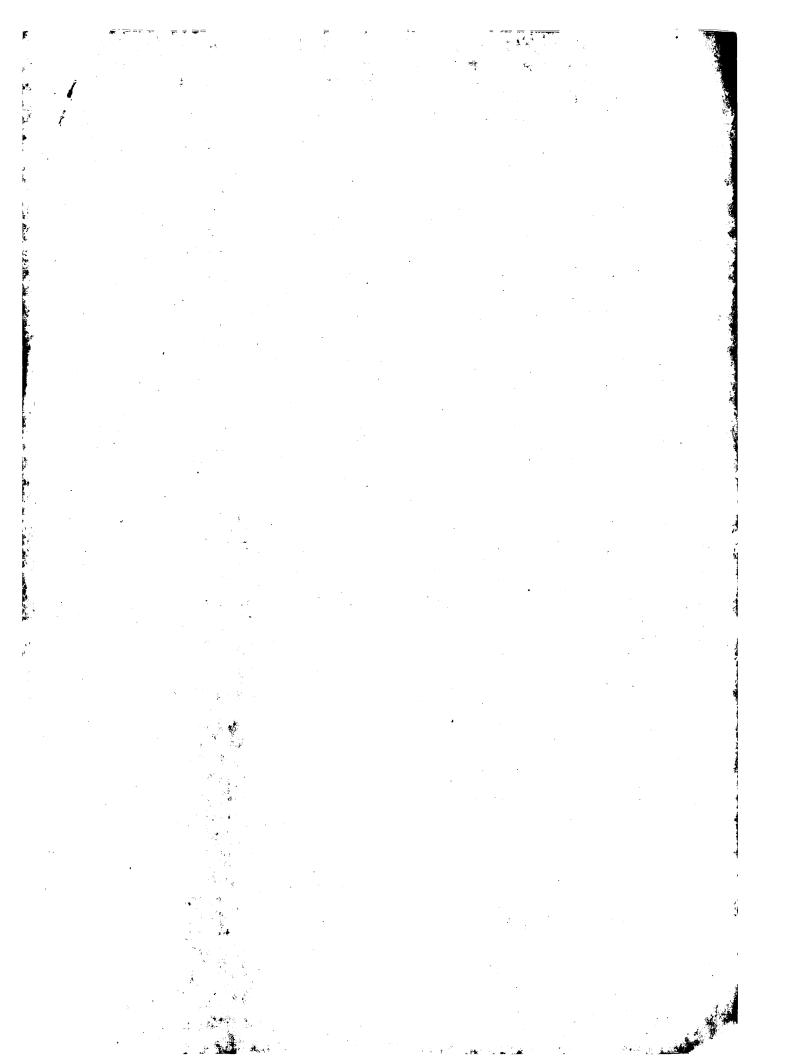
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26-JAN-2000

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                                                                         1 GCTCTAGAATG 11
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Kink,J.A., Thalley,B.S., Stafford,D.C., Firca,J.R. and Padhye,N.V.
Treatment of Clostridium difficile induced disease
Patent: US 5736139-A 16 07-APR-1998;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                           26 bp
Sequence 16 from patent US 5736139.
AR0000025
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1 (bases 1 to 26)
Emrich, T.D.
Emrich, T.D.
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Unclassified.
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Patent: EP 0926245-A 2 30-JUN-1999;
ROCHE DIAGNOSTICS GMBH (DE)
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A94988.1 GI:6779168
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7 c 5 g
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Maximum Match
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seq length: 50
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Match Length
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Gapop 10.0 , Gapext 1.0
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: /cgn2_6/ptodata/
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Copyright (c) 1993 - 2003 Compugen Ltd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /cgn2_6/ptodata/1/pna/US09_NEW_COMB.seq: *
/cgn2_6/ptodata/1/pna/US09_NEW_COMB.seq2: *
/cgn2_6/ptodata/1/pna/US09_NEW_COMB.seq3: *
/cgn2_6/ptodata/1/pna/US10_NEW_COMB.seq3: *
/cgn2_6/ptodata/1/pna/US10_NEW_COMB.seq2: *
/cgn2_6/ptodata/1/pna/US10_NEW_COMB.seq3: *
/cgn2_6/ptodata/1/pna/US60_NEW_COMB.seq3: *
/cgn2_6/ptodata/1/pna/US60_NEW_COMB.seq3: *
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2-6/ptodata/1/pna/US06_NEW_COMB.seq:*
2-6/ptodata/1/pna/US07_NEW_COMB.seq:*
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US-10-303-778-13859

US-10-294-035-747

US-10-294-035-940

US-10-294-035-940

US-10-294-038-1008

US-10-294-038-2682

US-10-294-038-4251

US-10-294-038-4251

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US-10-106-799-14
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                                           Sequence 53, Appl
Sequence 31, Appl
Sequence 34, Appl
Sequence 38, Appl
Sequence 11, Appl
Sequence 11, Appl
Sequence 14, Appl
Sequence 14, Appl
Sequence 747, Appl
Sequence 748, Appl
Sequence 940, App
Sequence 940, App
Sequence 1008, Ap
Sequence 2682, Ap
Sequence 1825, Ap
Sequence 33324, Ap
Sequence 3324, Ap
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ALIGNMENTS

RESULT 2 US-10-293-222-131/c ; Sequence 131, Application US/10293222 ; GENERAL INFORMATION: ; OTHER INFORMATION: Synthetic oligonucleotide US-10-329-465-53 APPLICANT: Versteeg, Rogier APPLICANT: Caron, Hubertus N. TITLE OF INVENTION: MYC targets FILE REFERENCE: 2183-5580US CURRENT APPLICATION NUMBER: US/10/293,222 CURRENT FILING DATE: 2002-11-12 PRIOR APPLICATION NUMBER: PCT/NL01/00361 PRIOR FILING DATE: 2001-05-11 SOFTWARE: PatentIn version 3.1 SEQ ID NO 53 LENGTH: 10 Sequence 53, Application US/10329465 GENERAL INFORMATION: Query Match Best Local Similarity Matches 7; Conserv APPLICANT: Wang et al. TITLE OF INVENTION: GENES ABNORMALLY EXPRESSED IN MYELOID LEUKEMIA CELLS WITH AN MIL TITLE OF INVENTION: FUSION FILE REFERENCE: 27373/37928A CURRENT APPLICATION NUMBER: US/10/329,465 CURRENT FILING DATE: 2002-12-23 PRIOR APPLICATION NUMBER: US 60/343,826 PRIOR FILING DATE: 2001-12-27 NUMBER OF SEQ ID NOS: 315 TYPE: DNA ORGANISM: Artificial sequence Conservative 100.0%; Score 7; 100.0%; Pred. No. 0, Mismatches DB 9; L Length 10; Indels 0, 0

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TITIE OF INVENTION: Compositions and Methods for Wound TITIES OF INVENTION: Healing FILE REFERENCE: 000486.00016
CURRENT APPLICATION NUMBER: US/10/314,322
CURRENT FILING DATE: 2002-12-09
PRIOR REPLICATION NUMBER: US 60/074,737
PRIOR FILING DATE: 1998-02-13
PRIOR FILING DATE: 1998-02-13
PRIOR PRIOR DATE: 1998-08-26
PRIOR PRIOR DATE: 1998-08-26
PRIOR PRICING DATE: 1998-09-28
PRIOR APPLICATION NUMBER: US 60/102,051
PRIOR PRICING DATE: 1998-09-28
PRIOR APPLICATION NUMBER: US 09/249,155
PRIOR PRICING DATE: 1999-09-28
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; TYPE: DNA
; ORGANISM: Mus musculus
US-10-314-322-34
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; ORGANISM: Homo sapiens
US-10-293-222-131
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SOFTWARE: Fac-
SEQ ID NO 34
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Best Local
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APPLICANT: Heber-Katz,
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FILE REFERENCE: 9982-24

CURRENT APPLICATION NUMBER: US/10/240,580

CURRENT FILING DATE: 2002-09-30

PRIOR APPLICATION NUMBER: PCT/JP01/02516

PRIOR FILING DATE: 2001-03-27

PRIOR APPLICATION NUMBER: JP 2000-99482

PRIOR FILING DATE: 2000-03-31
                                                                                                                                                                                                                                                                                                                              0-240-580-38
                                                                                                                                                                                                                                                        quence 38, Applica
NERAL INFORMATION:
PPLICANT: INOUE, T
                                                                                                                                                                          ITLE OF INVENTION: METHOD AND APPARATUS FOR MICROORGANISM DISCRIMINATION, METHOD OF INVENTION: DATABASE FOR MICROORGANISM DISCRIMINATION, AND MICROORGANISM DISCRIMINATION, PROGRAM AND RECORDING MEDIUM ON WHICH SUCH PROGRAM IS RECORDED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 / Match 100.0%; Score 7; DB 10;
Local Similarity 100.0%; Pred. No. 2.4e+05;
1es 7; Conservative 0; Mismatches 0;
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les 7; Conserv
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100.0%; Pred. No. 2.4e+05
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US-10-106-799-14
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. Query Match
Best Local S
Matches 7
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LENGTH: 12
TYPE: DNA
                                                                                                                                                        TITLE OF INVENTION: Novel DNA sequence in TITLE OF INVENTION: method thereof FILE REFERENCE: US 673 CURRENT APPLICATION NUMBER: US/10/106,799 CURRENT FILING DATE: 2002-10-31 NUMBER OF SEQ ID NOS: 32 SOFTWARE: Patentin version 3.1 SEQ ID NO 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: PatentIn version 3.1
SEQ ID NO 13
LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
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APPLICANT: Council (
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Best Local
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CURRENT APPLICATION NUMBER: US/10/106,799
CURRENT FILING DATE: 2002-10-31
NUMBER OF SEQ ID NOS: 32
                                                                               FEATURE:
OTHER IN
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                                                                                                       LENGTH: 13
TYPE: DNA
ORGANISM: Artificial Sequence
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                                                                               INFORMATION:
Similarity 7; Conserv
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US-10-146-505-84/c

Sequence 84, Application US/10146505 GENERAL INFORMATION: APPLICANT: Sale, Julian E.

Neuberger, Michael S.

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                                                                                                                                 ; ORGANISM: Homo sapiens
US-10-303-778-13859
                                                             Query Match
Best Local S
Matches 7
                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/10/303,778
CURRENT FILING DATE: 2002-11-26
NUMBER OF SEQ ID NOS: 17608
SOFTWARE: PatentIn version 3.1
SEQ ID NO 13859
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TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL
TITLE OF INVENTION: REGULATORY GENES AND USES THEREOF
FILE REFERENCE: 47416
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/10/146,505
CURRENT FILING DATE: 2002-11-18
PRIOR APPLICATION NUMBER: 09/828,717
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: GB 9822104.7
PRIOR FILING DATE: 1998-10-09
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PRIOR FILING DATE: 2001-06-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Cumbers, Sarah J.
TITLE OF INVENTION: Method of Generating Diversity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: PCT/GB99/03358
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILE REFERENCE: 18396/2005B
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                                                                                                                                                                   TYPE: DNA
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OTHER INFORMATION: The sequence TGAGCTCTGTG is deleted
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APPLICATION NUMBER: GB 9913435.5
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                                                             Similarity 7; Conserv
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                              1 GCTTCAG
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US-10-294-035-747/c
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             SOFTWARE: Proprietary
SEQ ID NO 940
LENGTH: 15
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SEQ ID NO 748
LENGTH: 15
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SEQ ID NO 747
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Best Local Similarity
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TITLE OF INVENTION: Mycobacterium leprae strain TN complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION. NUMBER: US/10/294,035
CURRENT FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1377
                                                                                    APPLICANT: Feldmann, Richard J.; Global Determinants, TITLE OF INVENTION: Mycobacterium leprae strain TN com FILE REFERENCE: Jim Zegeer Law Office 703-684-8333 CURRENT APPLICATION NUMBER: US/10/294,035 CURRENT FILING DATE: 2002-11-14
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NUMBER OF SEQ ID NOS: 1377
                                                                        NUMBER OF SEQ ID NOS: 1377
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OTHER INFORMATION: Chromosome = 1
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OTHER INFORMATION: Chromosome = 1
TYPE: DNA
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; OTHER INFORMATION: Chromosome = 1
US-10-294-035-940
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US-10-294-038-2682
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; OTHER INFORMATION: Chromosome = 1
US-10-294-038-1008
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GENERAL INFORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Lactococcus lactis subsp. lactis IL1403 complete
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/294,038
CURRENT FILING DATE: 2002-11-14
NUMBER OF SECT. NO.
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Matches 7
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GENERAL INFORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Lactococcus lactis subsp. lactis IL1403 complete
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/294,038
CURRENT APPLICATION NUMBER: US/10/294,038
NUMBER OF SEQ ID NOS: 5372
SOFTMARE: Proprietary
SEQ ID NO 1008
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Best Local Similarity 100.0%;
Matches 7; Conservative C
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Best Local :
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SOFTWARE: Proprietary
EQ ID NO 2682
LENGTH: 15
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red. No. 2.4e+05;
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Search completed: June 26, 2003, 04:15:21 Job time : 168.527 secs

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; LOCATION: (1902455)...(1902469); OTHER INFORMATION: Chromosome = 1 US-10-294-038-4251
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GENERAL INFORMATION:
APPLICANT: Feldmann,
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Best Local Similarity
Matches 7; Conserv
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CURRENT APPLIANE 202-11-05
CURRENT APPLICATION NUMBER: US/10/287,822
CURRENT ELING DATE: 2002-11-05
SOFTWARE: PTOPTIETARY
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TITLE OF INVENTION: Lactococcus lactis subsp. lactis IL1403 complete
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/294,038
CURRENT FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 5372
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Q ID NO 4251
LENGTH: 15
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Pred. No. 2.4e+05;
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Gapop 10.0 , Gapext 1.0
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Copyright (c) 1993 - 2003 Compugen
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| US-08-770-564A-12 US-08-632-782-86 PCT-US00-04606-65 PCT-US01-10743A-43 PCT-US01-118814-44 PCT-US01-18814-49 PCT-US01-23100-118 PCT-US01-23100-118 PCT-US01-23100-118 PCT-US01-2727-58 PCT-US01-2727-58 PCT-US01-2727-58 PCT-US01-2727-58 PCT-US01-2727-1901-10 PCT-US02-24250-52 PCT-US02-24250-52 PCT-US03-24450-1449 US-08-459-13800-1246 PCT-US99-13800-1449 US-08-459-444-49 US-08-459-444-49 US-08-459-444-49 US-08-459-504-49 US-08-459-504-49 US-08-459-504-49 US-08-459-504-49 US-08-459-504-49 |
| Sequence 12, Appl Sequence 65, Appl Sequence 65, Appl Sequence 44, Appl Sequence 44, Appl Sequence 49, Appl Sequence 130, Appl Sequence 130, Appl Sequence 16, Appl Sequence 58, Appl Sequence 52, Appl Sequence 52, Appl Sequence 10, Appl Sequence 144, Appl Sequence 144, Appl Sequence 49, Appl |

Gaps

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TELEPAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 7 base pairs
TYPE: nucleic ecid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/770,564A
FILING DATE: 20-DEC-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Storella, John R.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 015389-002200US
TELEPHONE: 415-576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Kealey, James T.
APPLICANT: Pruzan, Ron
APPLICANT: Weinrich, Scott L.
APPLICANT: Weinrich, Scott L.
TITLE OF INVENTION: Inhibitory Polynucleotides Directed
TITLE OF INVENTION: Against the RNA Component of Telomerase
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSES: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          San Francisco
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17 US-09-335-032-2631
17 US-09-335-032-8177
17 US-09-335-032-8177
17 US-09-335-032-8177
17 US-09-336-376-4067
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18 US-09-816-763-61
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10 US-09-816-763-61
10 US-09-816-763-61
10 US-09-816-763-34
10 US-09-249-155-34
   Score 7;
Pred. No.
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                            Length 7;
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Sequence 2641, App
Sequence 2931, Ap
Sequence 4373, Ap
Sequence 8177, Ap
Sequence 8177, Ap
Sequence 1611, Ap
Sequence 1701, Ap
Sequence 4900, Appl
Sequence 1449, Appl
Sequence 1449, Appl
Sequence 134, Appl
Sequence 31, Appl
Sequence 323, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION UNMER: US/08/632,782
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: PAUL, Thomas D.
REGISTRATION UNMER: 32,714
REFERENCE/DOCKET NUMBER: D-5900
TELECOMMUNICATION INFORMATION:
TELEPHONE: 713/651-5325
INFORMATION FOR SEQ ID NO: 86:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "oligonucleotide"
HYPOTHETICAL: YES
US-08-632-782-86
                                                                                                                                                                                                             PCT-US00-04606-65/c
; Sequence 65, Application PC/TUS0004606
; GENERAL INFORMATION:
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Best Local Similarity
Matches 7; Conser
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CITY: Houston
STATE: Texas
COUNTRY: U.S.A.
CIP: 77010-3095
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
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APPLICANT: Genaissance Pharmaceuticals, Inc.
APPLICANT: Nandabalan, Krishnan
APPLICANT: Schulz, Vincent p
APPLICANT: Stephens, J. Claiborne
APPLICANT: Stephens, J. Claiborne
APPLICANT: Chew, Anne
TITLE OF INVENTION: Drug Target Isogenes: Polymorphisms in
TITLE OF INVENTION: Necrosis Factor Receptor I Gene
FILB REFERENCE: MWH0030PCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: Fulbright & Jaworski L.L.P.
STREET: 1301 McKinney, Suite 5100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Hardin, Susan H.
APPLICANT: Homayouni, Ramin
APPLICANT: Hardin, Paul E.
TITLE OF INVENTION: Design and Optimized Primer Library for
TITLE OF INVENTION: Gene Sequencing and Method Thereof
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES:
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Gaps

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RESULT 1 US-08-770-564A-12

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STREET:

94111

USA

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TOPOLOGY: 11;
HOLECULE TYPE:
US-08-770-564A-12

Query Match Rest Local Similarity

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GENERAL INFORMÁTION:

APPLICANT: Genaissance Pharmaceuticals, Inc.

APPLICANT: Chew, Anne

APPLICANT: Choi, Julie Y.

APPLICANT: Choi, Julie Y.

APPLICANT: KOSHY, Beena

TITLE OF INVENTION: Haplotypes of the SCN2B Gene

FILE REFERENCE: MWH-0481PCT SCN2B

CURRENT APPLICATION NUMBER: PCT/USO1/10743A

CURRENT FILING DATE: 2001-04-03

PRIOR APPLICATION NUMBER: 60/196,597

PRIOR APPLICATION NUMBER: 50

SOFTWARB: PATENTING DATE: 2000-04-13

NUMBER OF SEQ ID NOS: 50

SOFTWARB: PATENTIN Ver. 2.1

SEQ ID NO 44
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Best Local Similarity
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PCT-US01-10743A-43/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; TYPE: DNA; HOMO SAPIENS
; ORGANISM: HOMO SAPIENS
PCT-US00-04606-65
                                                                                                                                                                                                                                                                                                                                                                    PCT-US01-10743A-44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PCT-US01-10743A-43
PCT-US01-10743A-44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 43
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 43, Application PC/TUS0110743A
GENERAL INFORMATION:
APPLICANT: Genaissance Pharmaceuticals, Inc.
APPLICANT: Chew, Anne
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 65
                                                                                                                                                                                                                                                                                                                                                  Sequence 44, Application PC/TUS011:0743A
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Best Local (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Koshy, Beena
TITLE OF INVENTION: Haplotypes of the SCN2B Gene
FILE REPERENCE: MWH-0481PCT SCN2B
CURRENT APPLICATION NUMBER: PCT/US01/10743A
CURRENT FILING DATE: 2001-04-03
PRIOR APPLICATION NUMBER: 60/196,597
PRIOR FILING DATE: 2000-04-13
NUMBER OF SEQ ID NOS: 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: PCT/US00/04606
CURRENT FILING DATE: 2000-02-23
EARLIER APPLICATION NUMBER: 60/121,314
EARLIER FILING DATE: 1999-02-23
NUMBER OF SEQ ID NOS: 113
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Chew, Anne
APPLICANT: Choi, Julie Y.
                                  TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
                ORGANISM: Homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 10
                                                       LENGTH:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
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100.0%; Pred. No. 7.1e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 7;
100.0%; Pred. No.
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PCT-US01-18814-44/c
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                                                                                                                   PCT-US01-18814-49
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PCT-US01-18814-44
                                      Best Loc
Matches
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PRIOR FILING DATE: 2000-06-09
NUMBER OF SEQ ID NOS: 64
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 44
LENGTH: 10
                                                                                                                                                                      PRIOR APPLICATION NUMBER: 60/210,568
PRIOR FILING DATE: 2000-06-09
NUMBER OF SEQ ID NOS: 64
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 49
LENGTH: 10
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Best Local Similarity
Matches 7; Conserv
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                                                                             Query Match
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APPLICANT: Sansker, Elizabeth Ann
TITLE OF INVENTION: HAPLOTYPES OF THE PHKG2 GENE
FILE REFERENCE: MWH-0770PCT PHKG2
CURRENT APPLICATION NUMBER: PCT/US01/18814
CURRENT FILING DATE: 2001-06-11
                                                                                                                                                                                                                                                                                       APPLICANT: Choi, Julie Y.
APPLICANT: Koshy, Beena
APPLICANT: Sanchis, Angela
APPLICANT: Sanchis, Angela
APPLICANT: Sausker, Elizabeth Ann
TITLE OF INVENTION: HAPLOTYPES OF THE PHKG2 GENE
FILE REFERENCE: MMH-0770PCT PHKG2
CURRENT APPLICATION NUMBER: PCT/US01/18814
CURRENT FILING DATE: 2001-06-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Genaissance Pharmaceuticals, Inc.
APPLICANT: Choi, Julie Y.
APPLICANT: Koshy, Beena
APPLICANT: Sanchis, Angela
                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Genaissance Pharmaceuticals,
                                                                                                                             TYPE: DNA
ORGANISM: Homo sapiens
                                                        Local
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                                      Similarity 7; Conserv
  GCTTCAG 7
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                                    100.0%; Score 7; DB 1; L
llarity 100.0%; Pred. No. 7.1e+05;
Conservative 0; Mismatches 0;
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100.0%; Pred. No. 7.1e+05;
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hes 0;
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APPLICANT: Genaissance Pharmaceuticals, Inc. APPLICANT: Bentivegna, Steven C APPLICANT: Bieglecki, Karyn M.

-US01-21306-130 equence 130, Applic ENERAL INFORMATION:

Application PC/TUS0121306

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RESULT 9
PCT-US01-23100-118; Sequence 118, App
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                                                                         RESULT 10
PCT-US01-29207-36
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Best Local Similarity
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; ORGANISM: Homo sapiens
PCT-US01-21306-130
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SOFTWARE: Pate
; SEQ ID NO 130
FNGTH: 10
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; ORGANISM: Homo sapien
PCT-US01-23100-118
                                       Sequence 36, Ap
GENERAL INFORMA
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APPLICANT: Koshy, Beena
TITLE OF INVENTION: Haplotypes of the ETFB Gene
FILE REFERENCE: MWH-0902PCT ETFB
CURRENT APPLICATION NUMBER: PCT/US01/21306
CURRENT FILING DATE: 2001-07-06
APPLICANT: Genaissance Pharmaceuticals APPLICANT: Koshy, Beena
                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: 60/219,538
PRIOR FILING DATE: 2000-07-20
NUMBER OF SEQ ID NOS: 189
SOFTWARE: Patentin Ver. 2.1
1EQ ID NO 118
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PRIOR FILING DATE: 2000-07-05
NUMBER OF SEQ ID NOS: 141
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TITLE OF INVENTION: Haplotypes of the CHRNA1 Gene
FILE REFERENCE: MWH-0771PCT CHRNA1
CURRENT APPLICATION NUMBER: PCT/US01/23100
CURRENT FILING DATE: 2001-07-20
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APPLICANT: Duda, Amy
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                                                           Application PC/TUS0129207
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APPLICANT: Genaissance Pharmaceuticals, Inc.
APPLICANT: Anastasio, Alison E.
APPLICANT: Chew, Anne
APPLICANT: Han, Jin-Hua
APPLICANT: Han, Jin-Hua
APPLICANT: Han, Jin-Hua
APPLICANT: Sanchis, Angela
TITLE OF INVENTION: HAPLOTYPES OF THE CYP27A1 GENE
FILE REFERENCE: CYP27A1 MWH-1279PCT
CURRENT APPLICATION NUMBER: PCT/IS01/42727
CURRENT APPLICATION NUMBER: PCT/IS01/42727
CURRENT PILING DATE: 2001-10-13
PRIOR APPLICATION NUMBER: 60/239,942
PRIOR FILING DATE: 2000-10-13
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                                                                                                                                                                                                                                                                                                                                                                              PCT-US02-24250-52/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; TYPE: DNA
; ORGANISM: Homo sapiens
PCT-US01-42727-58
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PRIOR FILING DATE: 2000-09-15
NUMBER OF SEQ ID NOS: 46
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 36
LENGTH: 10
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Best Local Similarity
Matches 7; Conserv
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Best Local
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                                                                                                                                                                                 APPLICANT: Geneissance Pharmaceuticals, Inc.
APPLICANT: Denton, R. Rex
APPLICANT: Drysdale, Connie M.
APPLICANT: Hoffman, Michael
APPLICANT: Judson, Richard S.
APPLICANT: Maerz, Winfried
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APPLICANT: Nandabalan, Krishnan
APPLICANT: Stack, Catherine B.
APPLICANT: Stephens, J. Claiborne
APPLICANT: Vanden Eng, Jodi
APPLICANT: Winkelmann, Bernhard R.
APPLICANT: Winkelmann, Bernhard R.
TITLE OF INVENTION: Association of Low Density Lipoprotein Receptor(LDLR)Gene Haplot)
TITLE OF INVENTION: Therapeutic
TITLE OF INVENTION: Response To Statins
                                                                                                                                                                                                                                                                                                                              equence 52, Application PC/TUS0224250 ENERAL INFORMATION:
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e 58, Application PC/TUS0142727
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98 0;
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RESULT 14
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Best Local (
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Matches 7; Conserv
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CURRENT FILING DATE: 2002-07-30
PRIOR APPLICATION NUMBER: US 60/308,688
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 103
                                                                                                                                                                                                                                              TELEFAX: (303) 793-34
NFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/022,611
FILING DATE: 26-JULY-1996
                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                    NAME: Barry J. Swanson
REGISTRATION NUMBER: 33,215
REFERENCE/DOCKET NUMBER: UN:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                        OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 8.0
CURRENT APPLICATION DATA:
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                                                                                                                                                                MOLECULE TYPE:
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CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                   LENGTH: 10 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                           TOPOLOGY:
                                                                                                                                                                                                                                                                        TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION:
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Colorado
                                                                  GCTTCAG 7
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_(303) 79
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8400 E. Prentice Avenue, Suite
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Toothman, Penelope
VENTION: Method of Identifying Aloe Using
                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        USA
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SYSTEM: MS-DOS
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                                                                                                                                                                                                                                                          793-3433
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                                                                                                      Score 7;
Pred. No.
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Pred. No. 7.1
0; Mismatches
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o. 7.1e+05;
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                                                                                                                  Length 10;
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SEQ ID NO 226
LENGTH: 10
TYPE: DNA
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                                           NUMBER OF SEQ ID NOS:
SOFTWARE: FastSEQ for
                                                                                      EARLIER FILING DATE: 1998-0
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                                                                        EARLIER FILING DATE: 1998-12-08
                                                                                                                 EARLIER APPLICATION NUMBER: 60/090,045
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APPLICANT: Shankara, Srinivas
TITLE OF INVENTION: PREPARATION AND USE OF SUPERIOR VACCINES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EARLIER
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APPLICATION 1
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RESULT 15
PCT-US99-13800-1449/c
Sequence 1449, Application PC/TUS9913800
GENERAL INFORMATION:
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PCT-US99-13800-226
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CURRENT FILING DATE: 1999-06-18
EARLIER APPLICATION NUMBER: 60/090,039
EARLIER FILING DATE: 1998-06-19
EARLIER APPLICATION NUMBER: 60/090,040
EARLIER APPLICATION NUMBER: 60/090,041
EARLIER APPLICATION NUMBER: 60/090,041
EARLIER FILING DATE: 1998-06-19
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APPLICANT: Roberts, Bruce L.
APPLICANT: Shankara, Srinivas
APPLICANT: Shankara, Srinivas
TITLE OF INVENTION: PREPARATION AND USE OF SUPERIOR VACCINES
FILE REFERENCE: 68126881206940
  ER FILING DATE: 1998-06-19
ER APPLICATION NUMBER: 60/089,844
ER FILING DATE: 1998-06-19
ER APPLICATION NUMBER: 60/090,080
ER FILING DATE: 1998-06-19
ER APPLICATION NUMBER: 60/089,833
ER FILING DATE: 1998-06-19
ER APPLICATION NUMBER: 60/089,994
ER FILING DATE: 1998-06-19
ER APPLICATION NUMBER: 60/089,097
ER FILING DATE: 1998-06-19
ER APPLICATION NUMBER: 60/090,077
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& APPLICATION NUMBER: 60/090,043

& APPLICATION NUMBER: 60/090,043

PTT.TNG DATE: 1998-06-19
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FILING DATE: 1998-06-19
APPLICATION NUMBER: 60/089,991
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FILING DATE: 1998-06-19
APPLICATION NUMBER: 60/089,992
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FILING DATE: 1998-06-19
APPLICATION NUMBER: 60/090,035
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APPLICATION NUMBER:
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PLICATION NUMBER: 60/090,044
FING DATE: 1998-06-19
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LING DATE: 1998-06-19
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; ORGANISM: Homo sapiens
PCT-US99-13800-1449
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EARLIER FILING DATE: 1998-06-19
EARLIER FILING DATE: 1998-12-08
NUMBER: 0F SEQ ID NOS: 2138
NUMBER OF SEQ ID NOS: 2138
                                                                   Query Match 100.0%;
Best Local Similarity 100.0%;
Matches 7; Conservative 0
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LENGTH: 10
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Search completed: June 25, 2003, 06:20:28 Job time: 595.583 secs